

LIGHTING FIXTURE SCHEDULE									
MARK	FIXTURE MFG	CATALOG NO.	LAMPS			MOUNTING HEIGHT	MOUNTING TYPE	REMARKS	
			NO. FIXT.	WATTS /TYPE	TYPE				
A	LITHONIA	2SP8C432FWA12 125-120-GEB	4	32	T8 4100K	CEILING	RECESSED	NOTE 1	
A1	LITHONIA	2SP8C432FWA12 125-120-GEB-EL	4	32	T8 4100K	CEILING	RECESSED	NOTE 1, EMERGENCY	
A2	LITHONIA	2SP8C3U31FWA12 125-120-GEB	3	31	T8 4100K	CEILING	RECESSED	NOTE 1	
B	LITHONIA	2SP8C232FWA12 125-120-GEB	2	32	T8 4100K	CEILING	RECESSED		
B1	LITHONIA	2SP8C232FWA12 125-120-GEB-EL	2	32	T8 4100K	CEILING	RECESSED	EMERGENCY	
C	LITHONIA	R6MB	1	100	R40 FLOOD	CEILING	RECESSED	NOTE 2	
C1	LITHONIA	R6MB	1	100	R40 FLOOD	CEILING	RECESSED	PROVIDE WITH CEILING SLOPE ADAPTER	
D	LITHONIA	A6MB-CGL	1	100	IFC	CEILING	RECESSED	NOTE 2	
E	LITHONIA	C232-120-GEB	2	32	T8 4100K	CEILING	OUTLET BOX		
E1	LITHONIA	C232-120-GEB	2	32	T8 4100K	ABOVE DOOR	OUTLET BOX		
E2	LITHONIA	W225-120-GEB	2	25	T8 4100K	ABOVE MIRROR	OUTLET BOX		
F	ABOLITE	R0150-INC-120-CA120BLK	1	100	IFC	SUSPEND TO 6'-0" AFF		FINISH AS SELECTED BY ARCHITECT	
G	ABOLITE	PET-S-IN-120	1	100	A21 CLEAR	AS DIR. BY ARCH.	OUTLET BOX	FINISH AS SELECTED BY ARCHITECT	
H	ABOLITE	PET-S-IN-120-WL	1	150	A21 CLEAR	CEILING	OUTLET BOX	FINISH AS SELECTED BY ARCHITECT	
K	ABOLITE	A0200-100MP-120-LDS96WL W/ GBH3 GOOSE NECK WALL BRACKET	1	100	MH	SEE ARCH. ELEVATIONS	OUTLET BOX	NOTE 3, UL WET LOCATION	
K1	ABOLITE	R0150-INC-120-LDS96WL-COG14 PLP W/ GBD3 GOOSE NECK WALL BRACKET	1	150	IFC	8'-0" AFF	OUTLET BOX	NOTE 4, UL WET LOCATION	
L	SEE NOTE 5 BELOW								
L1	SEE NOTE 5 BELOW								
W	LITHONIA	TWA-100M-120-PE	1	100	MH	9'-0" AFF	OUTLET BOX	FURNISH WITH BUILT-IN PHOTOCELL	
X1	LITHONIA	LQMS1C-120/277-ELN	FURNISHED BY MANUFACTURER			CEILING/ABOVE DOOR	OUTLET BOX	EMERGENCY	
LIGHTING FIXTURE SCHEDULE NOTES:									
1. FURNISH WITH NUMBER OF BALLASTS AS REQUIRED TO EFFECT MULTI-SWITCHING.									
2. TRIM SHALL BE FACTORY PAINTED FLAT BLACK WITH HIGH QUALITY HEAT RESISTANT ENAMEL.									
3. FINISH AS SELECTED BY ARCHITECT. FURNISH WITH REMOTE MOUNT BALLAST.									
4. FINISH AS SELECTED BY ARCHITECT.									
5. FURNISH FIXTURE TO MATCH STORE AT CALERA, ALABAMA AS DIRECTED BY OWNER. CONFIRM WITH OWNER PRIOR TO BID.									

PANEL SCHEDULE										
MARK	TYPE	MAINS			BRANCH BREAKERS					REMARKS
		TYPE	AMPS	SERVICE	1-POLE	2-POLE	3-POLE	SPARE	SPACES	
LP-A	GE TYPE AQ	MLO	225	120/208V 3ø-4W S/N	31-20A		1-15A 1-20A	4-20/1	19-20/1	SURFACE NOTES 1 & 2
PP-FP	GE TYPE AQ	MLO	225	120/208V 3ø-4W S/N	SEE FOOD PREP PANEL SCHEDULE					FLUSH NOTES 1 & 2
PP-K	GE TYPE AQ	MLO	400	120/208V 3ø-4W S/N	SEE KITCHEN PANEL SCHEDULE					FLUSH NOTES 1 & 2
MP-A	GE SPECTRA SERIES	MLO	1000	120/208V 3ø-4W S/N	SEE EQUIPMENT SCHEDULE					SURFACE NOTE 3

- PANEL SCHEDULE NOTES:
- FURNISH IN TWO (2) EQUAL SECTIONS.
 - PANEL AND ALL BRANCH CIRCUIT BREAKERS SHALL BE RATED FOR AN AVAILABLE FAULT CURRENT OF 42,000 AMPS. THIS MAY BE ACCOMPLISHED BY WAY OF SERIES RATING.
 - PANEL AND ALL MAIN CIRCUIT BREAKERS SHALL BE RATED FOR AN AVAILABLE FAULT CURRENT OF 42,000 AMPS. MAIN PANEL SHALL BE SERVICE ENTRANCE RATED.

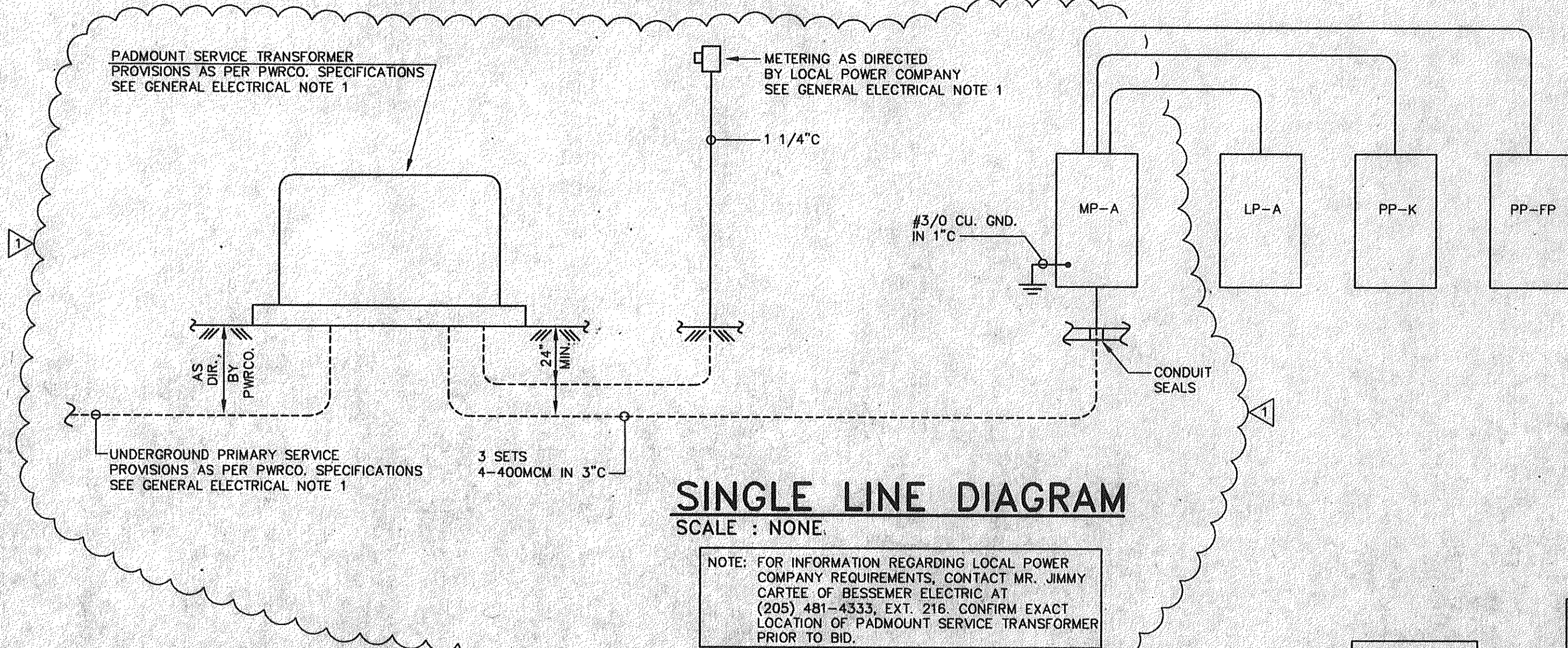
MAIN PANEL MP-A EQUIPMENT SCHEDULE									
CIR. NO.	DESCRIPTION	VOLTS	PHASE	HP.	KW	AMPS	BRK. SIZE AMPS	DISCONNECT SWITCH SIZE	COND. SIZE INCHES
M1	AC-1	208	3		24.1		100/3	100/3, F100	1 1/4
M2	AC-2	208	3		30.8		110/3	200/3, F110	1 1/4
M3	DISHWASHER BOOSTER HEATER	208	3		54.0		200/3	200/3	2
M4	LP-A	120/208	3		36.1		225/3		2 1/2
M5	PP-K	120/208	3		106.7		300/3		3
M6	PP-FP	120/208	3		78.5		225/3		2 1/2

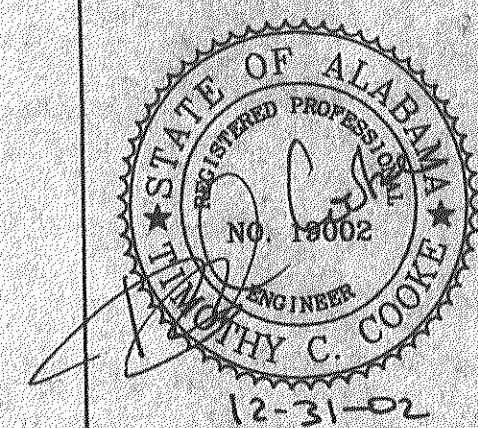
KITCHEN PANEL SCHEDULE PP-K												
CIR. NO.	ITEM NO.	DESCRIPTION	VOLTS	ø	HP.	KW OR KVA	BRK. SIZE AMPS	WIRE SIZE	COND. SIZE INCHES	REMARKS		
1		KITCHEN LIGHTS	120	1		1.4	20/1	3#12	1/2			
2		KITCHEN LIGHTS	120	1		1.4	20/1					
3		CONV. OUTLETS (3)	120	1		0.6	20/1					
4	64	WINE REFRIGERATOR	115	1	1/3		20/1	4#12	3/4	NOTES 1 & 4		
5	62	BOTTLE COOLER	115	1	1/3		20/1			NOTES 1 & 4		
6		CONV. OUTLETS (2)	120	1		0.4	20/1					
7	37	BREAD WARMER	120	1		0.9	20/1	4#12	3/4	NOTE 1		
8	42	ICE/SODA DISPENSER	120	1		1.2	20/1			NOTE 1		
9	45	TEA BREWER	120	1		1.8	20/1	3#12	3/4	NOTE 1		
10	43	COFFEE BREWER	120	1		1.8	20/1			NOTE 1		
11		DRIVE-THRU INTERCOM	120	1		0.5	20/1					
12	39	CASH REGISTER	120	1		0.5	20/1	3#12	3/4			
13	42	ICE/SODA DISPENSER	120	1		1.2	20/1			NOTES 1 & 4		
14	59	2 DR. REFRIGERATOR	115	1	1/3		20/1	3#12	3/4	NOTES 1 & 4		
15	38	HEAT LAMPS	120	1		0.8	20/1					
16	38	HEAT LAMPS	120	1		0.8	20/1	4#12	3/4			
17		CONV. OUTLETS (2)	120	1		0.4	20/1					
18	34	HOT FOOD WELLS	120	1		1.2	20/1			NOTES 1 & 4		
19	34	HOT FOOD WELLS	120	1		1.2	20/1	4#12	3/4	NOTES 1 & 4		
20	33	WORK TOP REFRIGERATOR	115	1	1/2		20/1			NOTES 1 & 4		
21		CONV. OUTLETS (2)	120	1		0.4	20/1					
22	36	HEAT LAMPS	120	1		1.7	20/1	3#12	3/4			
23	20	SANDWICH PREP UNIT	115	1	1/3		20/1			NOTES 1 & 4		
24	30	FRY BAGGING STATION	120	1		1.2	20/1	4#12	3/4	NOTES 1 & 4		
25	17	HOLDING CABINET	120	1		1.9	20/1			NOTES 1 & 4		
26	39	CASH REGISTER	120	1		0.5	20/1	2#12	3/4			
27	69	REFRIGERATED PIE CASE	115	1	1/3		20/1	2#12	3/4	NOTES 1 & 4		
28	31	HOOD LIGHTS & CONTROLS	120	1		1.0	20/1	3#12	1/2			
29	31	HOOD LIGHTS & CONTROLS	120	1		1.0	20/1					
30	19	FOOD CHOPPER	115	1	1		40/1	2#8	3/4	NOTE 1		
31	25	GRIDDLE	208	3		12.0	50/3	3#6	1			
32	32	FRYER	208	3		14.0	50/3	3#6	1	NOTE 2		
33	32	FRYER	208	3		14.0	50/3	3#6	1	NOTE 2		
34	32	FRYER	208	3		14.0	50/3	3#6	1	NOTE 2		
35	21	GRIDDLE	208	3		16	60/3	3#6	1	NOTE 2		
36	31	FRYER/GRILL HOOD SUPPLY FAN	115	1	1/2		20/1					
37	31	GRILL HOOD EXHAUST FAN	115	1	1/3		20/1	4#12	3/4			
38	31	FRYER HOOD EXHAUST FAN	115	1	1/2		20/1					
39		PIT SUPPLY FAN	115	1	1/2		20/1	2#12	1/2			
40		CONV. OUTLETS (2)	120	1		0.4	20/1	2#12	3/4			
41-45		SPACES	120	1			20/1					
46-70		SPACES					/1					

- KITCHEN PANEL SCHEDULE NOTES:
- FURNISH WITH "SO" CORD AND PLUG AS REQUIRED TO MATCH RECEPTACLE.
 - FURNISH CIRCUIT BREAKER WITH SHUNT TRIP OPERATOR.
 - STUB-OUT 4 - 3/4 INCH E.C. ABOVE ACCESSIBLE CEILING FOR FUTURE CIRCUITS.
 - CIRCUIT BREAKER WITH GFCI PROTECTION IN ACCORDANCE WITH N.E.C. ARTICLE 210.8(B)(3).

FOOD PREP PANEL SCHEDULE PP-FP												
CIR. NO.	ITEM NO.	DESCRIPTION	VOLTS	ø	HP.	KW OR KVA	BRK. SIZE AMPS	WIRE SIZE	COND. SIZE INCHES	REMARKS		
1		FOOD PREP LIGHTS	120	1		1.5	20/1					
2		FOOD PREP LIGHTS	120	1		1.5	20/1	4#12	1/2			
3		LIGHTS	120	1		0.5	20/1					
4		CONV. OUTLETS (3)	120	1		0.6	20/1					
5		CONV. OUTLETS (2)	120	1		0.4	20/1	4#12	3/4			
6	2	BAG-N-BOX	115	1	1/3		20/1			NOTES 1 & 4		
7	68	HOOD LIGHTS & CONTROLS	120	1		1.0	20/1					
8		FUTURE LIGHTS	120	1		0.6	20/1	3#12	1/2			
9		CONV. OUTLETS (5)	120	1		1.0	20/1					
10		CONV. OUTLETS (2)	120	1		0.4	20/1	4#12	3/4			
11		CONV. OUTLETS (3)	120	1		0.6	20/1					
12		CONV. OUTLETS (2)	120	1		0.4	20/1					
13		CONV. OUTLETS (2)	120	1		0.4	20/1	4#12	3/4			
14	53	1 DR. REFRIGERATOR	115	1	1/3		20/1			NOTES 1 & 4		
15	1	SMOKER CONTROLS	120	1		0.5	20/1					
16	1	SMOKER FAN	115	1		0.8	20/1	3#12	3/4			
17	14	HOOD LIGHTS & CONTROLS	120	1		1.0	20/1	2#12	1/2			
18	6	WALK-IN COOLER LIGHTS & DOOR HEATER	120	1		1.0	20/1					
19	6	WALK-IN COOLER EVAP. COIL	115	1		0.5	20/1	4#12	3/4			
20	6	WALK-IN FREEZER LIGHTS & DOOR HEATER	120	1		1.0	20/1					
21	27	CHAR BROILER	115	1	1/8		20/1	2#12	3/4	NOTES 1 & 4		
22	6	WALK-IN FREEZER EVAP. COIL	208	1		1.5	20/2	2#12	1/2			
23	60	ICE MACHINE	208	1	1 1/2		20/2	2#12	1/2			
24	14	RANGE HOOD SUPPLY FAN	115	1	1/2		20/1					
25	14	RANGE HOOD EXHAUST FAN	115	1	1/2		20/1	3#12	1/2			
26	16	CONVECTION OVEN	208	3		12.0	50/3	3#6	1	NOTE 2		
27	16	CONVECTION OVEN	208	3		12.0	50/3	3#6	1	NOTE 2		
28	49	SINK SANITIZER	208	3		9.0	40/3	3#8	3/4			
29		FLY FAN	115	1	1/2		20/1	2#12	1/2			
30	55	DISHWASHER HOOD EXHAUST FAN	115	1	1/4		20/1	2#12	1/2			
31	68	CHARROILER HOOD EXHAUST FAN	115	1	1/2		20/1					
32	68	CHARBROILER HOOD SUPPLY FAN	115	1	1/3		20/1	3#12	1/2			
33	55	DISHWASHER	208	3		20.2	70/3	3#4	1 1/4			
34-38		SPACES	120	1			20/1					
39-47		SPACES					/1					

- FOOD PREP SCHEDULE NOTES:
- FURNISH WITH "SO" CORD AND PLUG AS REQUIRED TO MATCH RECEPTACLE.
 - FURNISH CIRCUIT BREAKER WITH SHUNT TRIP OPERATOR.
 - STUB-OUT 4 - 3/4 INCH E.C. ABOVE ACCESSIBLE CEILING FOR FUTURE CIRCUITS.
 - CIRCUIT BREAKER WITH GFCI PROTECTION IN ACCORDANCE WITH N.E.C. ARTICLE 210.8(B)(3).





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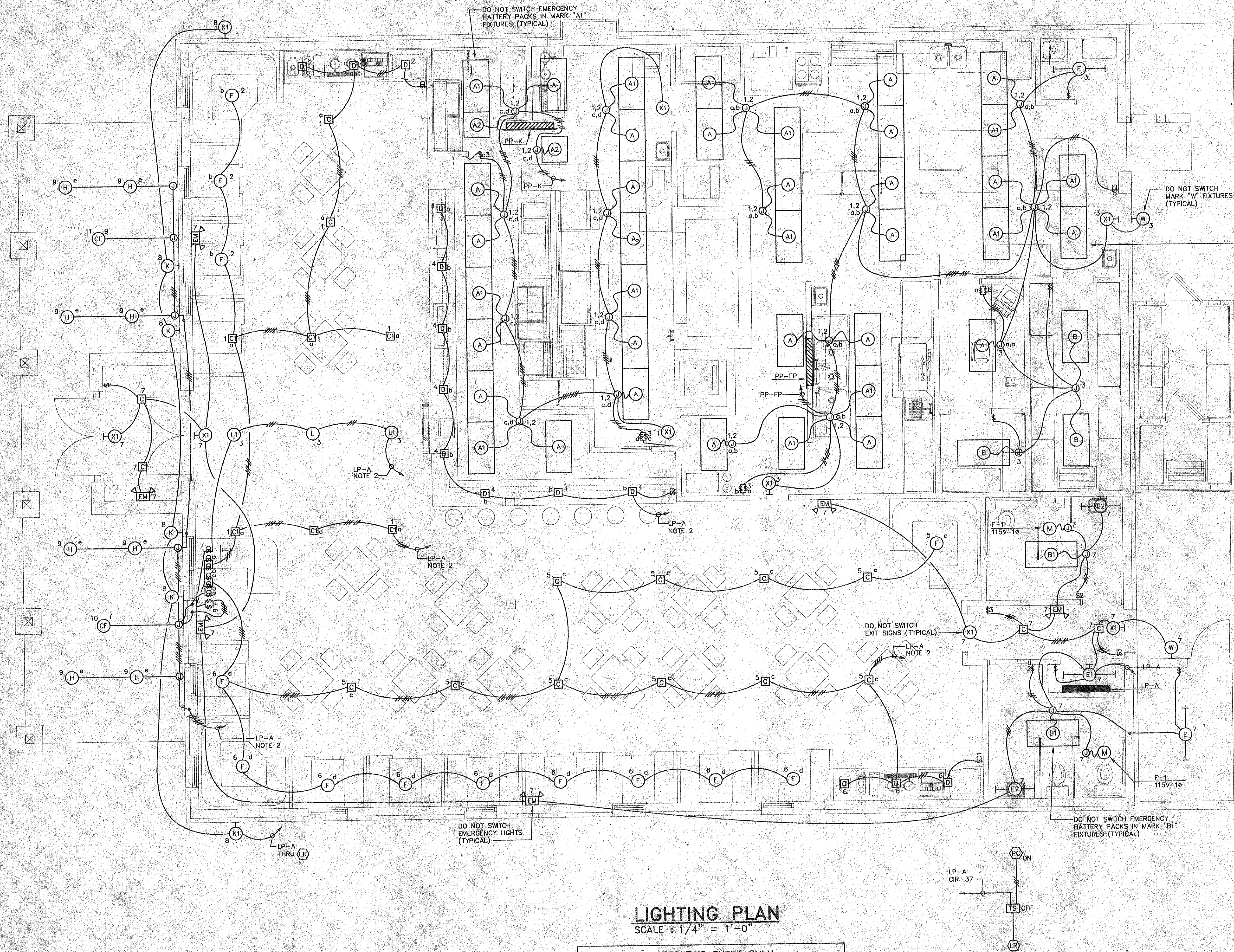
A Restaurant for
Golden Rule Barbeque
Academy Drive Bessemer, AL

DATE

11-27-02

SHEET

E-3



LIGHTING PLAN

SCALE : 1/4" = 1'-0"

NOTES THIS SHEET ONLY

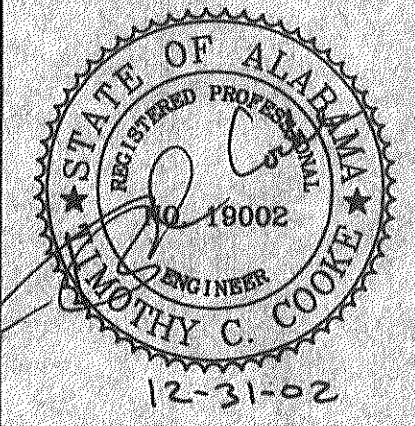
- COORDINATE EXACT LOCATION OF ALL CEILING MOUNTED LIGHT FIXTURES WITH ARCHITECTURAL REFLECTED CEILING PLAN.
- RUN A SEPARATE PROPERLY SIZED NEUTRAL FOR EACH LIGHTING AND FAN CIRCUIT WHERE NOTED ABOVE.

EXTERIOR LIGHTING CONTROL DETAIL

SCALE : NONE

NOTE: CONTROL SCHEME SHALL BE PHOTO CELL "ON" & TIMESWITCH "OFF"

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141 VILLAGE STREET • SUITE 1
BIRMINGHAM, ALABAMA 35242
JRA JOB NO. 22201

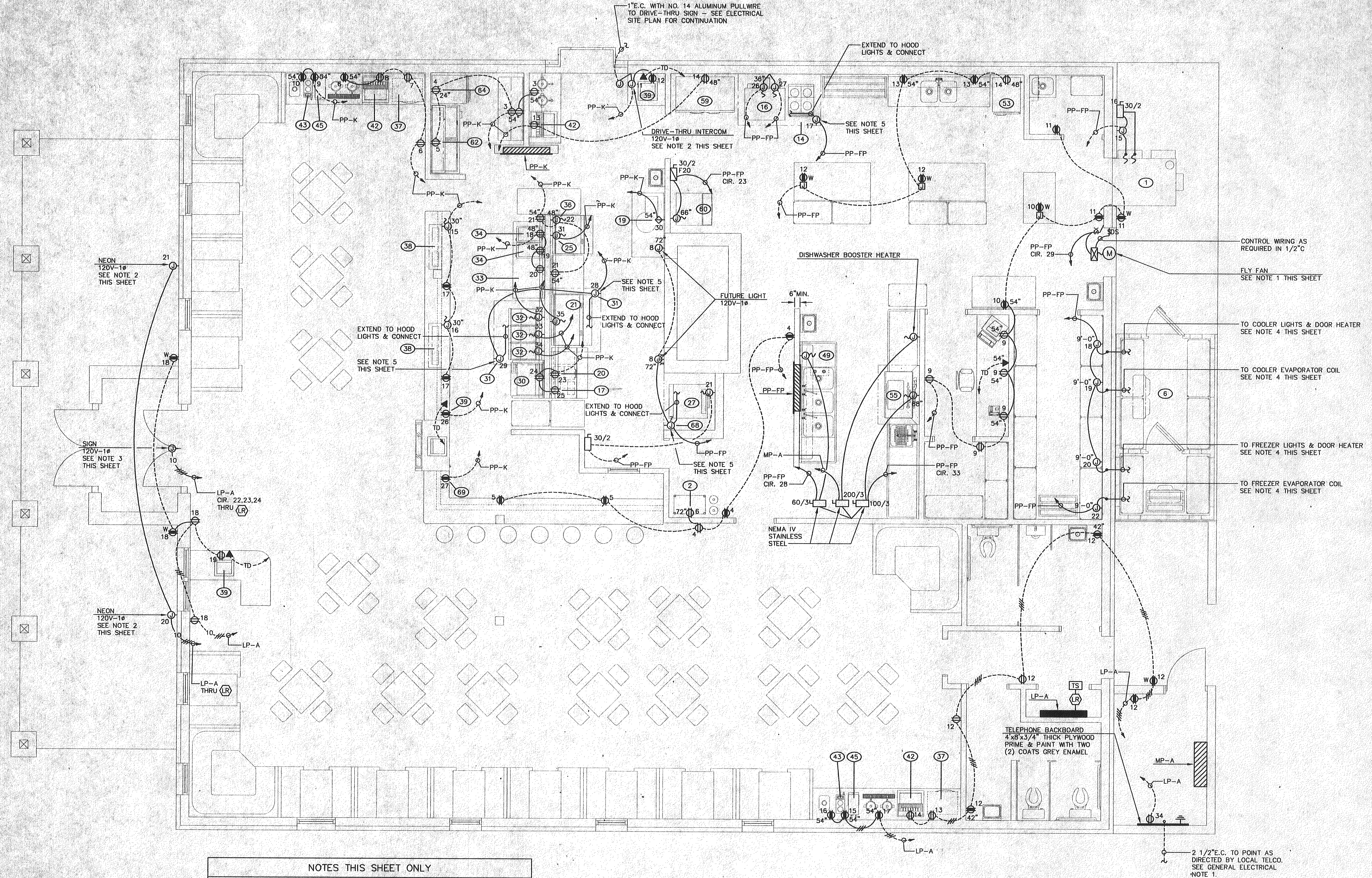


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SHEET
E-4

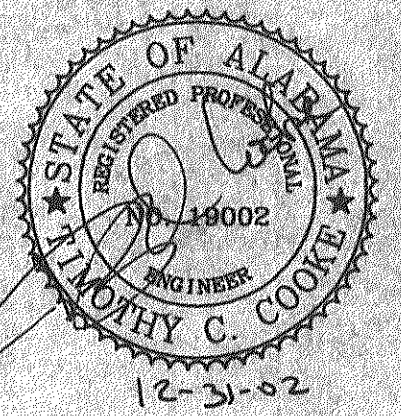


- NOTES THIS SHEET ONLY
1. THIS CONTRACTOR SHALL VERIFY ALL KITCHEN EQUIPMENT ELECTRICAL REQUIREMENTS TO INCLUDE THE FOLLOWING:
 1. LOCATION OF STUB UPS, JUNCTION BOXES, ETC.
 2. TYPES OF CONNECTIONS - FLEXIBLE CONDUIT, RECEPTACLE, DIRECT WIRED FROM JUNCTION BOX, ETC.
 3. CONFIRM LOADS ON INDIVIDUAL PIECES OF ELECTRICAL EQUIPMENT AND SIZE BREAKER, WIRE AND CONDUIT ACCORDINGLY. IF NOT ACCORDING TO SCHEDULE.
 4. FURNISH ALL MATERIALS AND LABOR NECESSARY TO CONNECT EQUIPMENT TO INCLUDE ALL POWER AND CONTROL WIRING.
 5. INCLUDE LABOR TO MOUNT AND CONNECT ALL CONTROL DEVICES FURNISHED WITH THE EQUIPMENT.
 2. THIS CONTRACTOR SHALL CONFIRM EXACT LOCATION AND ALL ELECTRICAL REQUIREMENTS WITH EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN.
 3. THIS CONTRACTOR SHALL FURNISH ALL MATERIAL AND LABOR REQUIRED TO PROVIDE A COMPLETE ELECTRICAL INSTALLATION IN ACCORDANCE WITH ARTICLE 600 OF THE NATIONAL ELECTRICAL CODE.
 4. THIS CONTRACTOR SHALL CONFIRM EXACT ELECTRICAL REQUIREMENTS FOR WALK-IN COOLER/FREEZER WITH EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN. PROVIDE A COMPLETE ELECTRICAL INSTALLATION IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND THE NATIONAL ELECTRICAL CODE.
 5. THIS CONTRACTOR SHALL FURNISH ALL MATERIAL AND LABOR NECESSARY TO CONNECT HOOD EXTINGUISHING IN MANNER REQUIRED TO REMOTELY TRIP SHUNT TRIP CIRCUIT BREAKERS PROTECTING CIRCUITS SERVING EQUIPMENT UNDER HOOD.

POWER & AUXILIARY PLAN

SCALE : 1/4" = 1'-0"

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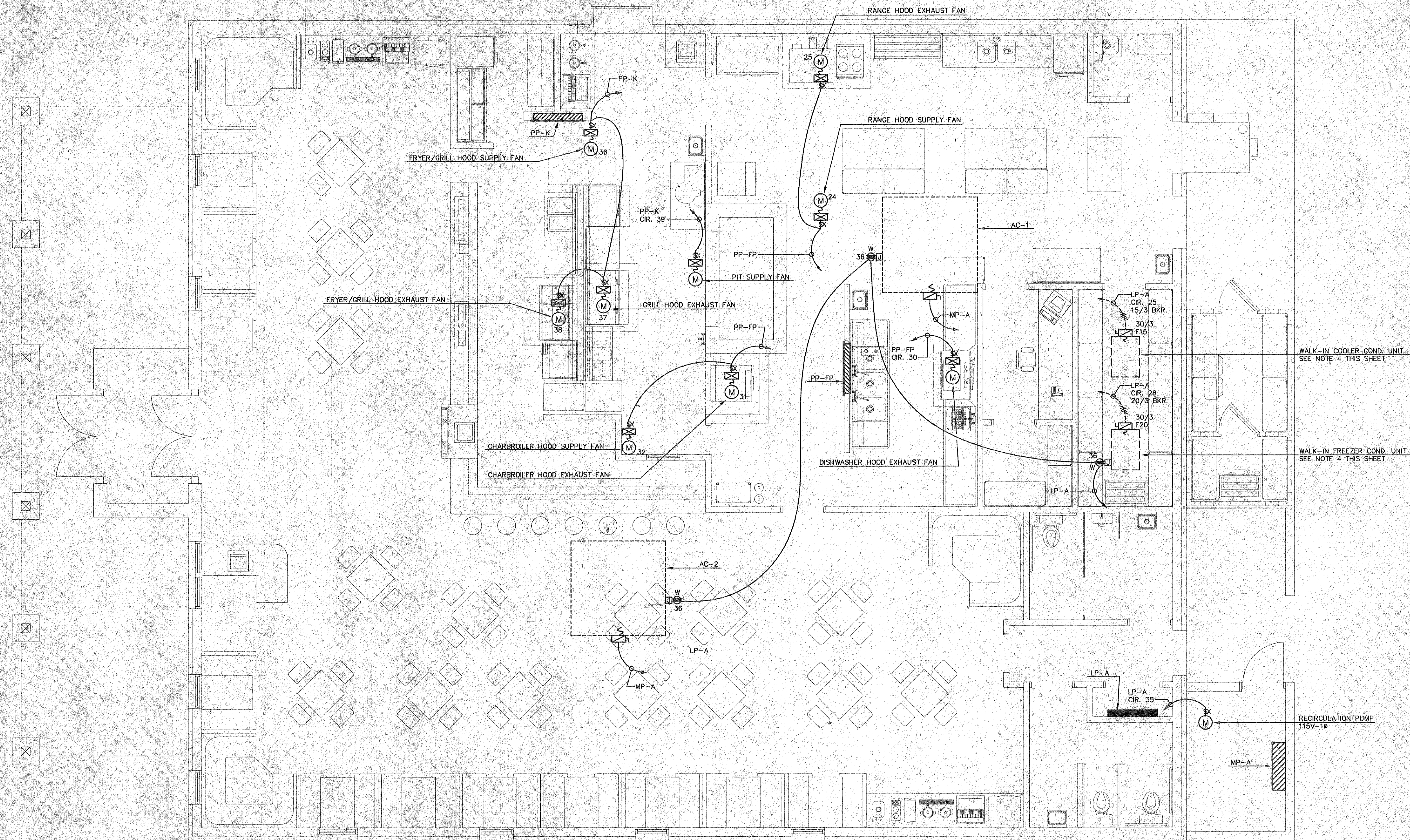


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SHEET
E-5

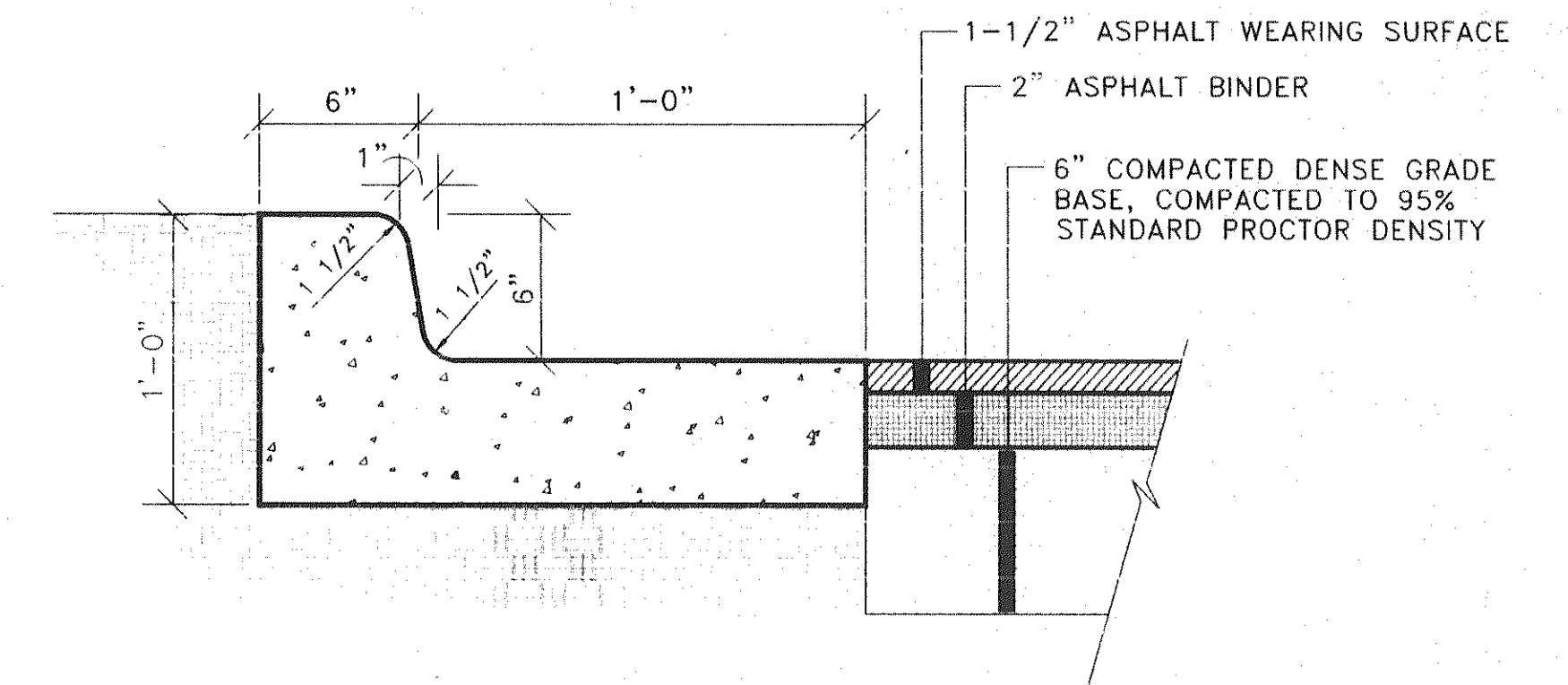


HVAC POWER PLAN
SCALE : 1/4" = 1'-0"

NOTES THIS SHEET ONLY

1. THIS CONTRACTOR SHALL COORDINATE EXACT LOCATIONS OF ALL HOOD EXHAUST AND SUPPLY FANS WITH KITCHEN EQUIPMENT CONTRACTOR PRIOR TO ROUGH-IN. ELECTRICAL CONTRACTOR SHALL PROVIDE A COMPLETE ELECTRICAL INSTALLATION, TO INCLUDE ALL POWER AND CONTROL WIRING IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS.
2. THIS CONTRACTOR SHALL COORDINATE EXACT LOCATIONS OF ALL MECHANICAL EQUIPMENT WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.

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JRA JOB NO. 2201



TOTAL LOT AREA - 1.20 ACRES.
TOTAL BUILDING RETAIL AREA - 1,837.5 S.F.
TOTAL NUMBER OF PATRON SEATS - 129 EACH
TOTAL EMPLOYEES ON LARGEST SHIFT - 8 PERSONS

AS PER BESSEMER REGULATIONS,
1 SPACE PER 100 S.F. PER AREA, OR 1 SPACE PER EACH 3 SEATS
+ 1 SPACE PER EACH EMPLOYEE @ LARGEST SHIFT.

PARKING REQUIRED: $43 + 8 = 51$ SPACES
PARKING PROVIDED: 52 SPACES

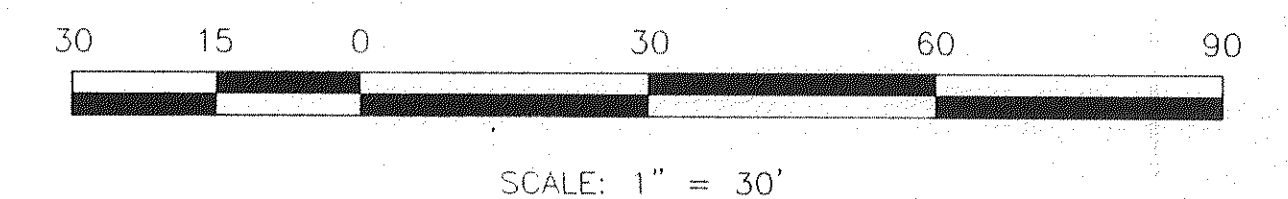
2 EACH HANDICAP ACCESABLE SPACES.

 - PAVEMENT
 - CURB & GUTTER
 - CONCRETE
 - WHITE TRAFFIC STRIPE (4" WIDE)

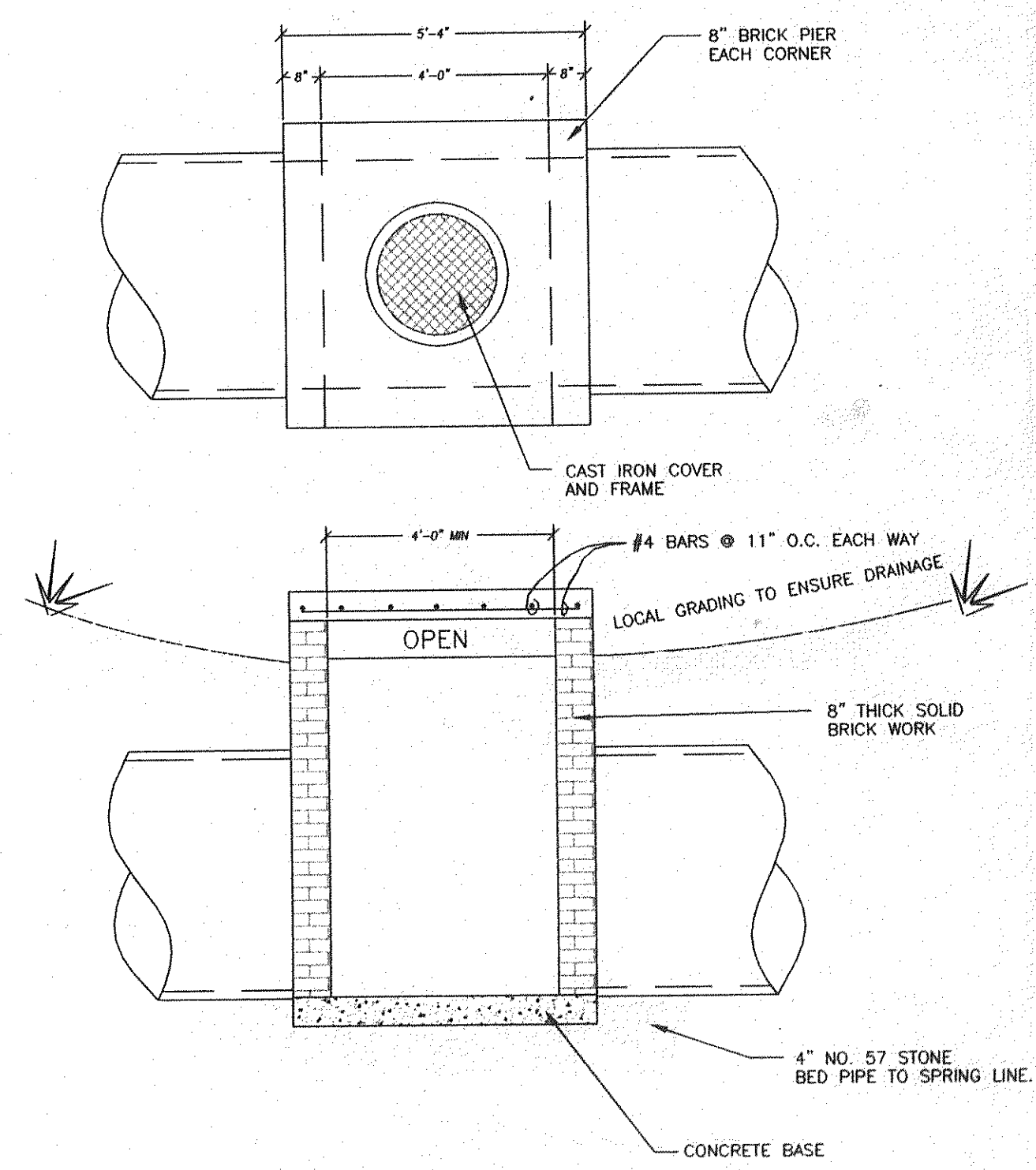
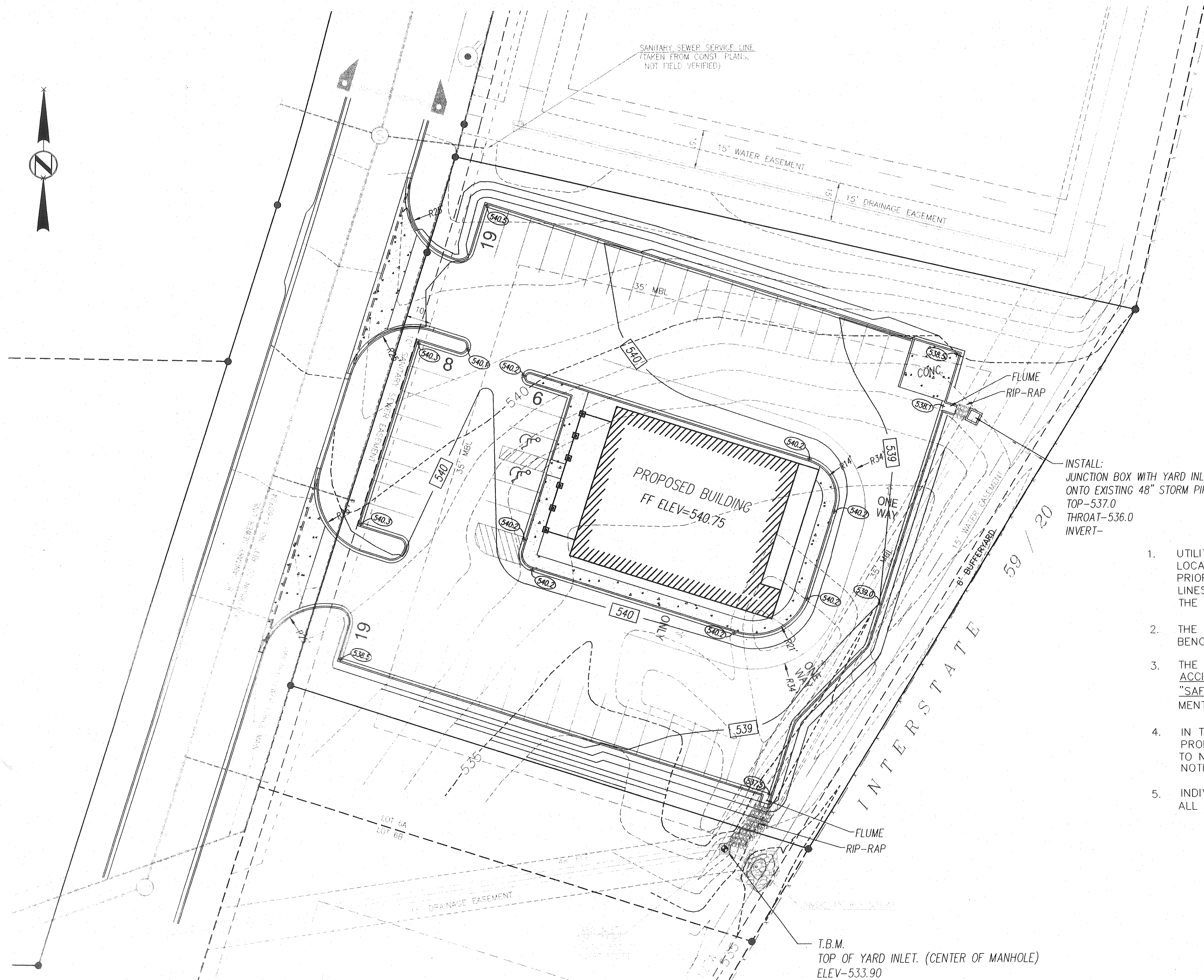
1. UTILITIES ARE SHOWN ON THE DRAWINGS IN STREET RIGHT OF WAY IN APPROXIMATE LOCATION. THE CONTRACTOR SHALL VERIFY AND MARK ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION AND USE CARE IN HIS OPERATIONS TO AVOID RUPTURING LINES WHICH SHALL BE REPAIRED OR RELOCATED AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL CONTACT ALL UTILITIES PRIOR TO CONSTRUCTION.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION LAYOUT. BENCHMARKS WILL BE PROVIDED BY THE ENGINEER, IF NECESSARY..
3. THE CONTRACTOR SHALL COMPLY WITH ALL PERTINENT PROVISIONS OF "THE MANUAL OF ACCIDENT PREVENTION IN CONSTRUCTION" ISSUED BY AGC OF AMERICA, INC. AND THE "SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION" ISSUED BY THE U. S. DEPARTMENT OF LABOR.
4. IN THE EVENT OF ANY DISCREPANCIES AND OR ERRORS FOUND IN THE DRAWINGS, OR IF PROBLEMS ARE ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL BE REQUIRED TO NOTIFY THE ENGINEER BEFORE PROCEEDING WITH THE WORK. IF THE ENGINEER IS NOT NOTIFIED THE CONTRACTOR SHALL TAKE RESPONSIBILITY FOR THE COST OF ANY REVISION.
5. INDIVIDUAL PROPERTY SURVEYS HAVE NOT BEEN MADE ON ALL TRACTS SHOWN HEREIN FOR THE DELINEATION OF PROPERTY LINES.

NOTE:
CONTRACTOR SHALL CONTACT BESSEMER WATER WORKS FOR
COORDINATION OF WATER SERVICE, METER CONFIGURATION AND
TAP LOCATION.

NOTICE TO CONTRACTOR:
THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.



REVISION	BY	DATE	COMMENT
DESIGNED:	KLH		<i>SPENCER ENGINEERING, INC.</i> <i>BIRMINGHAM, ALABAMA</i>
DRAWN:	KLH		
CHECKED:	F.S.		
SCALE:	1"=30'		
			A PROPOSED RESTAURANT GOLDEN RULE BAR-B-Q BESSEMER, ALABAMA SITE LAYOUT
ISSUE DATE: JUL 02			SHEET 1 OF - JOB NO. 02-136 VER: A

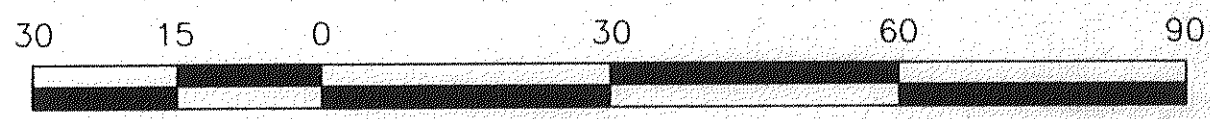


YARD TYPE INLET
SCALE: NONE

GENERAL NOTES

1. UTILITIES ARE SHOWN ON THE DRAWINGS IN STREET RIGHT OF WAY IN APPROXIMATE LOCATION. THE CONTRACTOR SHALL VERIFY AND MARK ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION AND USE CARE IN HIS OPERATIONS TO AVOID RUPTURING LINES WHICH SHALL BE REPAIRED OR RELOCATED AT THE CONTRACTORS EXPENSE. THE CONTRACTOR SHALL CONTACT ALL UTILITIES PRIOR TO CONSTRUCTION.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION LAYOUT. BENCHMARKS WILL BE PROVIDED BY THE ENGINEER, IF NECESSARY..
3. THE CONTRACTOR SHALL COMPLY WITH ALL PERTINENT PROVISIONS OF "THE MANUAL OF ACCIDENT PREVENTION IN CONSTRUCTION" ISSUED BY AGC OF AMERICA, INC. AND THE "SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION" ISSUED BY THE U. S. DEPARTMENT OF LABOR.
4. IN THE EVENT OF ANY DISCREPANCIES AND OR ERRORS FOUND IN THE DRAWINGS, OR IF PROBLEMS ARE ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL BE REQUIRED TO NOTIFY THE ENGINEER BEFORE PROCEEDING WITH THE WORK. IF THE ENGINEER IS NOT NOTIFIED THE CONTRACTOR SHALL TAKE RESPONSIBILITY FOR THE COST OF ANY REVISION.
5. INDIVIDUAL PROPERTY SURVEYS HAVE NOT BEEN MADE ON ALL TRACTS SHOWN HEREIN FOR THE DELINEATION OF PROPERTY LINES.

Part of Lot 6A, Academy Business Park, 1st Revision
Map Book 33, Pages 13 & 14 (Bessemer Division)
Jefferson County, Alabama



NOTICE TO CONTRACTOR:
THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.

- Legend of Symbols
- - - - - Existing Contour
 - - - - - Proposed Contour
 - 100 - Proposed Spot Elevation

REVISION	BY	DATE	COMMENT
DESIGNED: KLH DRAWN: KLH CHECKED: F.S. SCALE: 1"=30'			
SPENCER ENGINEERING, INC. BIRMINGHAM, ALABAMA			
A PROPOSED RESTAURANT GOLDEN RULE BAR-B-Q BESSEMER, ALABAMA GRADING AND STORM DRAINAGE PLAN			
ISSUE DATE: 11.11.02		SHEET 2 OF	JOB NO. 02-136 VER. A

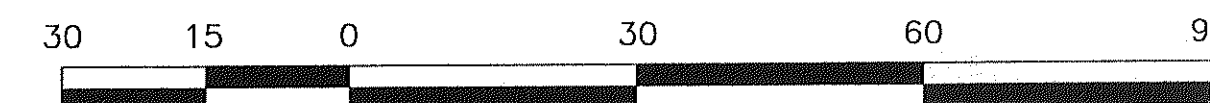
Professional Engineer Seal: ALABAMA, No. 24685, Spencer Engineering, Inc., 11-12-02

C:\Projects\Keith\Projects\2002\spencer\02-136\barlett-golden-rule\02-136-base-2.dwg Tue Nov 12 08:42:03 2002

JEFFERSON COUNTY STANDARD NOTES
FOR 8 INCH AND LARGER SANITARY SEWERS

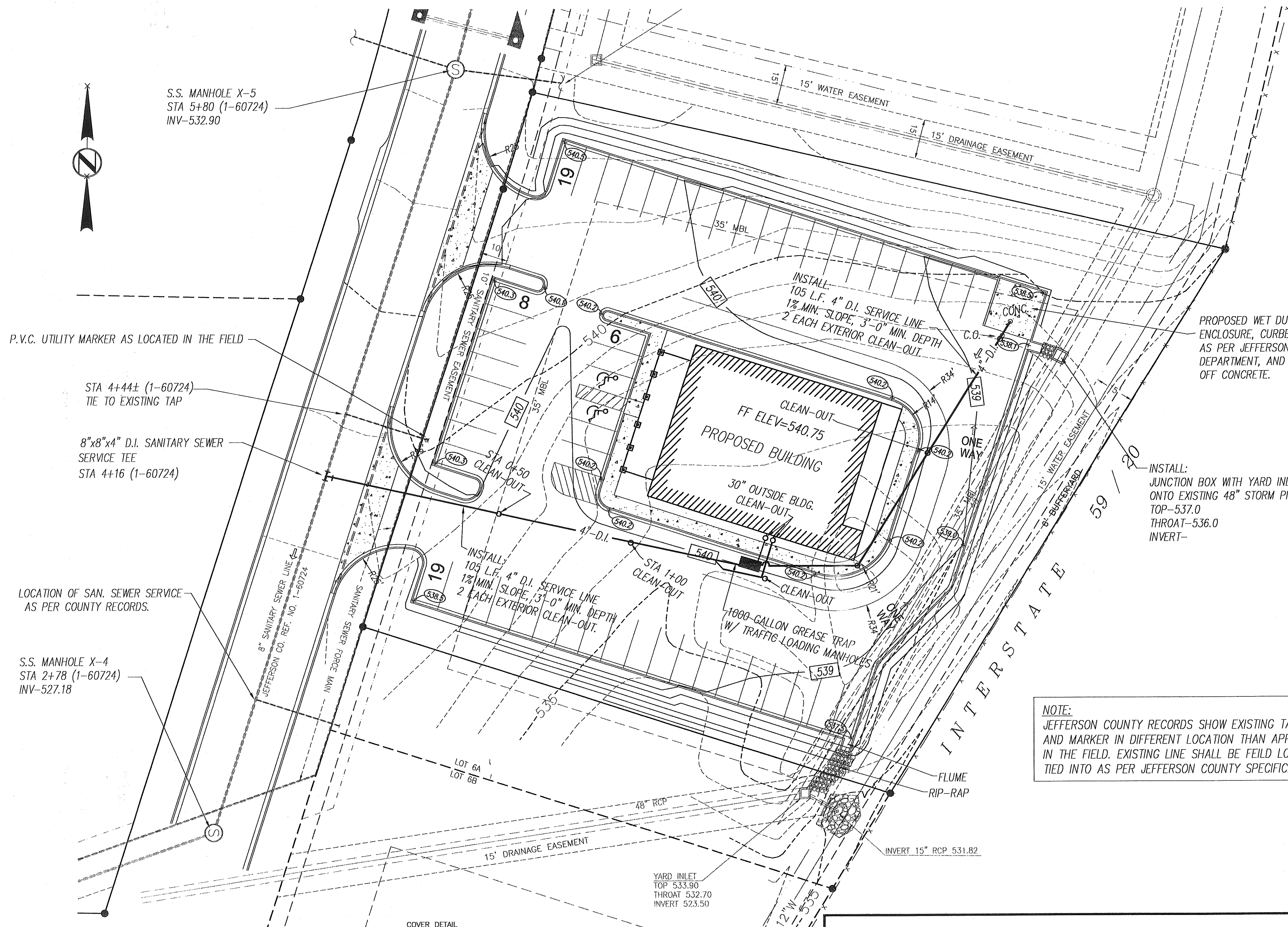
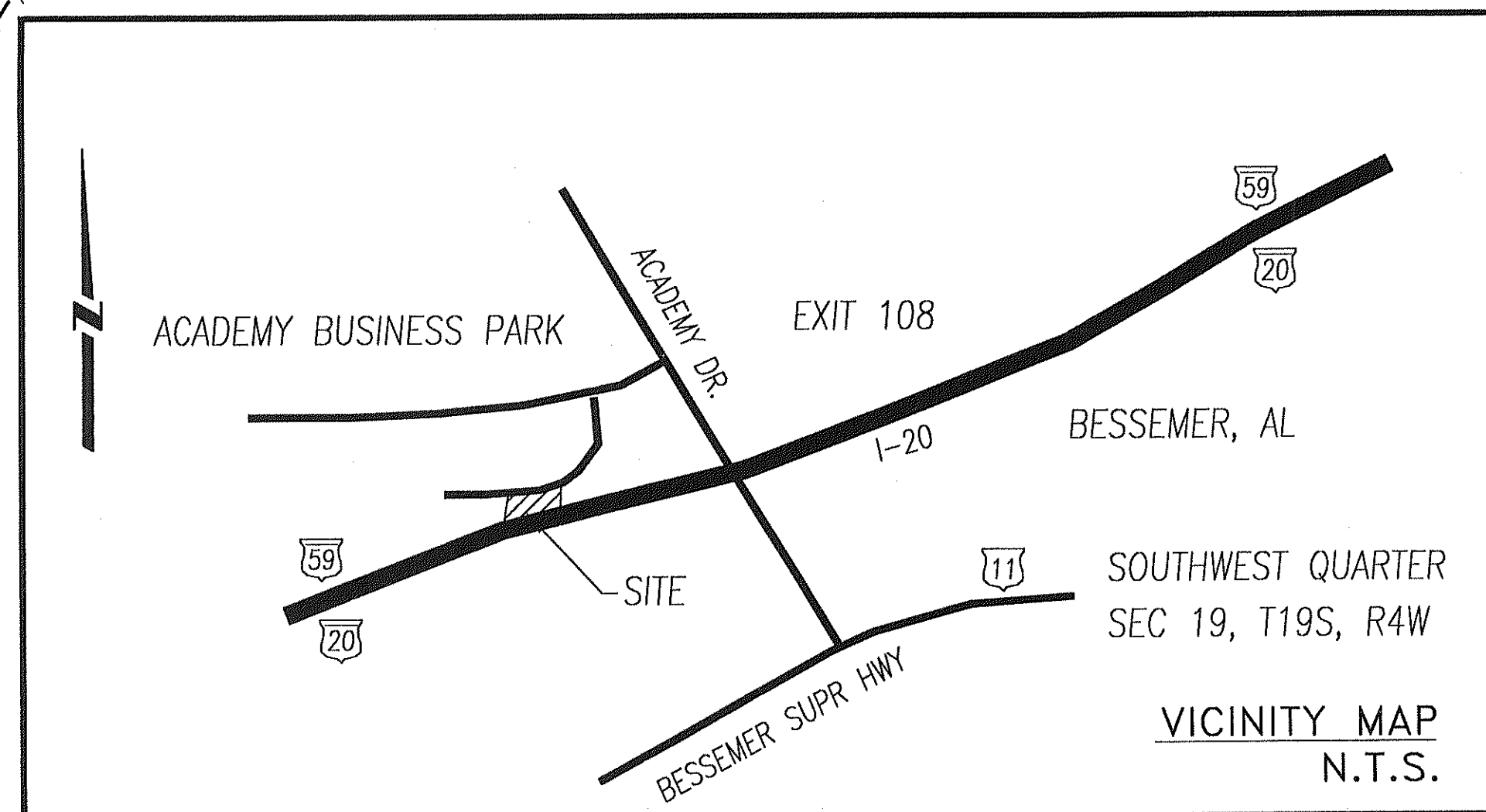
- All construction shall be in accordance with the standards and specification of Jefferson County, the local municipality and/or the State Highway Department, and applicable O.S.H.A. regulations, as applicable.
- The Contractor shall notify the Jefferson County Environmental Services Department 325-5127 at least 24 hours prior to beginning construction. There shall be no changes in Drawings without written approval by the Jefferson County Environmental Services Department.
- Ductile iron pipe shall be Class 52 or better.
- PVC pipe shall be AWWA C900, Cast Iron (CI) standard dimensions. Dimension Ratio (DR) 18. Pressure Class (PC) 150 psi or better.
- In earth trench, four inches of crushed stone shall be placed under sewer lines of 12 inches in diameter or smaller and six inches of crushed stone shall be placed under sewer lines larger than 12 inches in diameter. In rock trenches, six inches of crushed stone shall be placed under all sewers. The ditch shall be backfilled with crushed stone to a depth of 12 inches above the top of the pipe. When crossing existing roads and streets, the total backfill shall be crushed stone and properly choked.
- At the direction of the ESD Inspector, a connection of Sanitary sewer pipes (8 inch through 16 inch) of dissimilar sizes or for repair of sanitary sewer pipes of similar materials may be made by means of an approved mechanical seal type adjustable coupling. Couplings with any required adapting bushings shall be manufactured of an approved preformed elastomeric material specifically for dimensions of the pipe materials to be connected. Couplings of the mechanical seal type shall have nut and bolt tightening clamps or devices made of 316 stainless steel, with an adjustable stainless steel shear ring, and stainless steel hardware. A concrete collar as shown on Appendix Standard Drawing SD2060 is required. The adjustable coupling shall be installed as recommended and specified by the manufacturer. Each coupling shall bear the manufacturer's name and required markings.
- Manholes shall meet ASTM specification C-478. Joints between the manhole sections shall be offset tongue and groove "push on" type, supplied with Tylox Super Seal pre-lubricated gasket as manufactured by Hamilton Kent meeting the requirements of ASTM C443. Each joint shall also be supplied with Consel GS-231 waterstop sealant as manufactured by Concrete Sealants, in widths as recommended by the manufacturer. Manholes shall have a minimum diameter of 48 inches and a minimum thickness of 5 inches. All manhole cones shall be of the concentric type. Manholes may be finished to street grade with brick and mortar. This adjustment height shall not exceed 16 inches.
- Stubouts for Sanitary sewer service lines shall end on or near the property line unless otherwise noted. On "downhill" side lots install laterals on a minimum 1% grade. On "uphill" side lots, install service lines to grade that will terminate a maximum depth of 10 feet. The first joint out of a manhole, for building or house service, shall be ductile iron pipe class 52 or better (minimum 8 feet). Any building service line set outside of easement or R.O.W. must be installed by a master plumber and have a sewer connection permit for each lot.
- If the contractor is installing service lines at the same time as main line, the service line shall be installed in accordance with Jefferson County Standards for Construction of Service Lines and Connections, and inspected/tested by County Inspector before it is backfilled.
- All service line stubouts installed in Road ROW or under asphalt shall be per Standard Specifications for Sanitary Sewer Service Lines and Connections Section 4.
- Construction signs for work within and adjacent to public roads, highways, and alleys shall be in accordance with ALDOT Standards.
- Contractor will be responsible for the continuous and proper operation of all existing utilities located on or adjacent to the project site and within the construction limits of this project.
- All embankment fill areas shall be filled and compacted prior to excavation of sewer line trenches.
- Contractor will be responsible for the construction and maintenance of erosion and sedimentation controls and for acquisition of all permits during construction to insure that damage does not occur to adjacent properties, public roads and/or ditches (creeks, streams).
- Upon completion of all or any part of a sanitary sewer line, the Contractor will be required to test said sewer for acceptability. Gravity sewers will be pressure tested with air. Force main sewers will be pressure tested with water. Manholes will be vacuum tested. All tests will be conducted in the presence of the County Sewer Construction Inspector in accordance with section 5.00 Standards for Commercial and Residential Construction of Sanitary Sewer Systems. Gravity Sanitary Sewers will be television inspected following air testing with the final video tape and log furnished to the County for record information.

Part of Lot 6A, Academy Business Park, 1st Revision
Map Book 33, Pages 13 & 14 (Bessemer Division)
Jefferson County, Alabama



SCALE: 1" = 30'

REVISION	BY	DATE	COMMENT
1.	SH	07.31.03	REVISED FOR NEW SEWER SERVICE LINE
SPENCER ENGINEERING, INC. BIRMINGHAM, ALABAMA			
A PROPOSED RESTAURANT GOLDEN RULE BAR-B-Q BESSEMER, ALABAMA SANITARY SEWER SERVICE DRAWING			
ISSUE DATE: 11.11.02		SHEET 4 OF 4	
		JOB NO. 02-136	



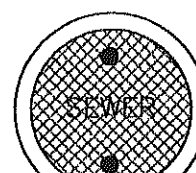
**SANITARY SEWER SERVICE LINE AND
CONNECTION PLANS APPROVAL**

JEFFERSON COUNTY
ENVIRONMENTAL SERVICES DEPARTMENT (JCESD)

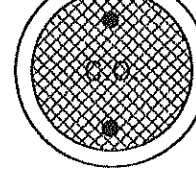
BY: *[Signature]*
DATE: 8.8.03

THIS APPROVAL IS SUBJECT TO THE CONDITION THAT ALL WORK BE DONE IN ACCORDANCE WITH JEFFERSON COUNTY SEWER SERVICE LINE REGULATIONS AND THAT ALL WORK BE INSPECTED AND APPROVED BY J.C.E.S.D. INSPECTORS PRIOR TO COVERING THE PIPE AND CONNECTION. JEFFERSON COUNTY ENVIRONMENTAL SERVICES DIVISION MUST BE NOTIFIED 24 HOURS PRIOR TO COMMENCING CONSTRUCTION WORK. CALL: 325-5234
THIS APPROVAL APPLIES TO THIS PAGE ALONE. ANY ADDITIONAL APPLICABLE PAGES MUST BE SEPARATELY APPROVED AND STAMPED.

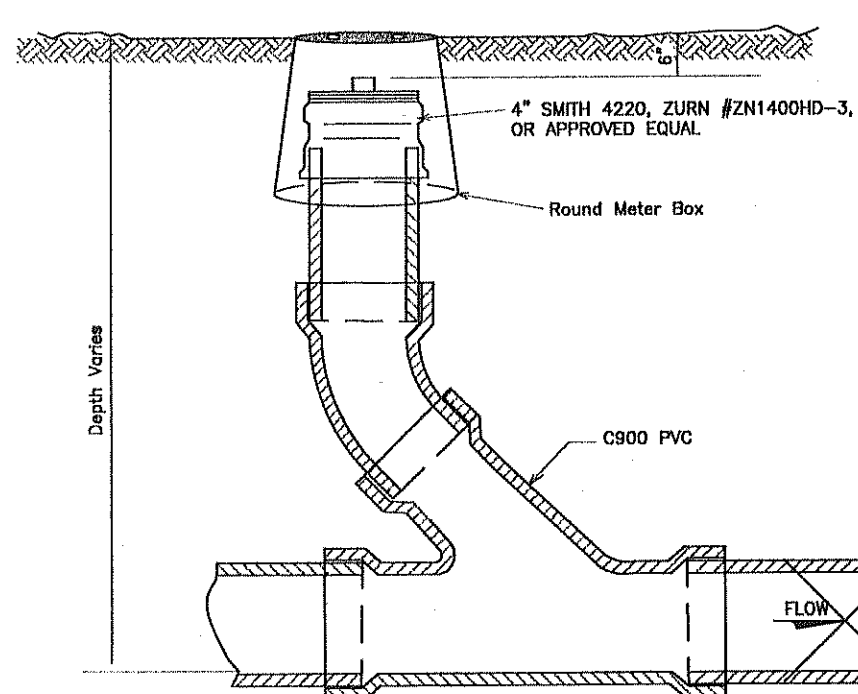
COVER DETAIL



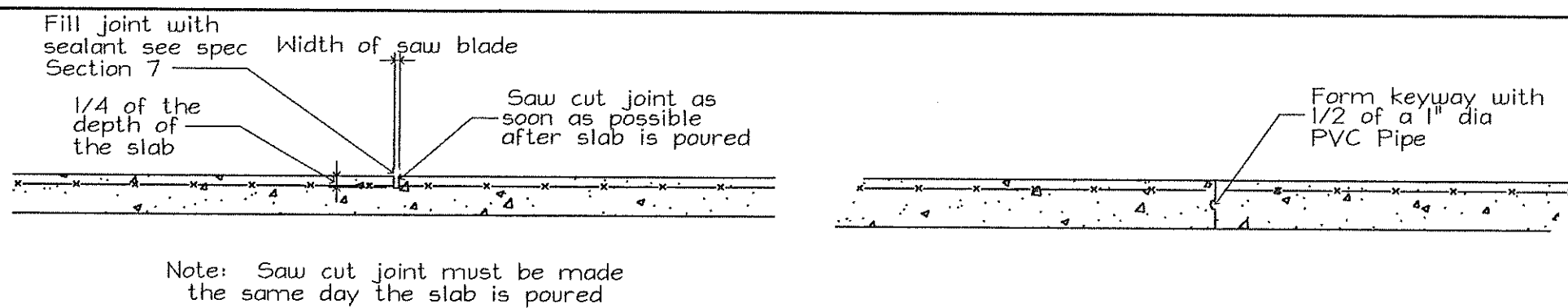
OR



LID MUST HAVE "SEWER" OR "C.O." STAMPED ON IT FROM THE FACTORY

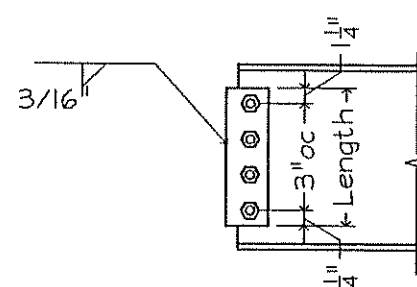


CLEAN-OUT DETAIL
N.T.S.



Typical Control Joint Construction Joint

Shear Plate Connection Schedule			
Length	# of bolts	End reaction	Min plate thickness
6"	2	8.2k	1/4"
9"	3	16.3k	1/4"
12"	4	26.1k	1/4"
15"	5	36.3k	1/4"
18"	6	46.3k	1/4"
21"	7	56.4k	1/4"



Reinforcing Steel Lap Splice Lengths				
Bar Size	Column Splices	Br., Flg. & Wall Splices	CMU Wall Splices	
		Top Bars	Other Bars	
# 3	12"	19"	15"	18"
# 4	15"	25"	19"	24"
# 5	19"	31"	24"	30"
# 6	23"	37"	29"	36"
# 7	26"	54"	42"	42"
# 8	30"	62"	48"	48"
# 9	34"	70"	54"	54"
# 10	38"	79"	61"	60"
# 11	42"	87"	67"	66"

Notes:

- Top bars are any horizontal reinforcing steel that has another layer of steel more than 2" below the bars or reinforcing steel that has more than 12" of concrete below the bars.
- All horizontal reinforcing bars in walls may be detailed as "Other Bars".
- All corner bars may be detailed as "Other Bars".

GENERAL NOTES

- Any omissions or discrepancies between plans, details, and specifications shall be brought to the attention of the Architect or Engineer before bidding.
- Structural drawings or parts of the structural drawings may not be used as shop drawings without prior written approval.
- All or part of these drawings were produced with computer aided drafting. Drawings are available from the Engineer in DWG format on request.
- Contractor proposed changes to details must be clearly noted on the first sheet of all shop drawings.
- Construction shown is stable after the building is complete including interior and exterior finishes. The Contractor is responsible for temporary bracing of the structure during construction.

DESIGN LOADS

Reference code for loading 1999 Standard Building Code.

Seismic Loading	
Effective Peak Velocity-related	
Acceleration Coefficient-----	0.05
Peak Acceleration Coefficient-----	0.05
Seismic Hazard Exposure Group-----	II
Soil Profile Coefficient-----	1.20
Wind Load-----	70 m.p.h.
Roof Load-----	20 psf
Slabs on grade-----	100 psf

FOUNDATIONS

- Foundation design for this project was based on assumed soil conditions. Information for design of foundations has not been provided by the Owner.
- Assumed bearing value of soil: 3000 psf
- All footings are to bear on undisturbed soil.
- Step all footings where necessary to provide a minimum of 1'-0" below the finish grade or 0'-8" below finish floor.
- All footing elevations are given to the top of the footings.
- Footing steps shown on the plans are furnished as a guide for estimating quantities. Final elevations are to be set in the field. Bearing elevations must be approved by a Soils Engineer before any concrete is placed.
- Coordinate foundation elevations with plumbing requirements. Step footings as required to clear plumbing lines.

MASONRY

- All masonry work to be in accordance with "Building Code Requirements for Concrete Masonry Structures" ACI 530-92.
- Fill all concrete masonry units with concrete or grout from the top of the footing to the finish floor or to 8" above finish grade whichever is higher.
- Use ladder type joint reinforcement at 16" on center in all cavity walls where brick is used for one or more of the wythes.
- Use truss type joint reinforcement at 16" o/c. in all other masonry walls.
- Provide joint reinforcement at 8" o/c. for all walls constructed with stack bond.
- Use Type "M" or Type "S" mortar in accordance with SBC Table 2104.7A.
- Minimum compressive strength of concrete masonry f'm = 1350 psi. Submit for review test data on strength of units before starting any masonry work.
- Use "Fine" grout for all reinforced piers and reinforced wall in accordance with SBC Table 2104.7C.
- Fill cells under all lintels with grout.
- Provide lintels over all mechanical openings through wall. See lintel details for reinforcement.

REINFORCING STEEL AND CONCRETE

- All concrete work is to be in accordance with the "Building Code Requirements for Reinforced Concrete" (ACI 318-95).
- All detailing is to be in accordance with "Details and Detailing of Concrete Reinforcement" (ACI 315-80) and "Manual of Engineering and Placing Drawings for Reinforced Concrete Structures" (ACI 315R-80).
- Concrete Properties:

Concrete Use	Design Strength	Min W/C Ratio	Slump Limits	Entrained Air Range	Weight	Notes
Footings	3000 psi	n/a	3" to 5"	3% to 5%	150 pcf	---
Slabs on Grade	4000 psi	n/a	6" to 8"	3% to 5%	150 pcf	Use HRWR

- All concrete must obtain 7 day strength of 70% of design strength.
 - Concrete mixes may use up to 25% of cementitious weight as fly ash.
 - Concrete mixes may use water reducers, accelerators or retarders with prior approval.
4. All steel reinforcement shall be of deformed bars of billet steel conforming to ASTM A615, Grade 60 in all concrete.
 5. Welded wire fabric shall be ASTM 185 and shall lap 2 cross wires or 6" whichever is greater on all sides. All laps shall be wired together.
 6. All slabs on grade are 4", unless noted. Slabs are to be placed on 10 Mil, PVC vapor barrier over 4" of porous fill. Reinforce slabs with 6x6 W4.4 x W4.4 WWF placed 1" from top of slab. Unless otherwise noted slabs shall have joints placed a 15'-0" on centers. Joints may be control joints or construction joints. See Architectural Plans for floor slopes and recesses for hard tile.
 7. Concrete cover for reinforcement:
 - Columns----- 2" outside of ties
 - Footings----- 3"
 8. Provide corner bars at all wall and footing intersections.
 9. Contractor shall include an allowance of 0.25 tons of reinforcing steel in place in addition to the steel shown on the contract documents in the base bid. This steel is to be placed at no additional cost to the Owner in sizes and at locations as directed by the Architect or Engineer. Unused steel will be credited to the Owner.

STRUCTURAL STEEL

- All detailing, fabricating, and erection of structural steel shall be in accordance with the 1989 AISC "Specifications for Design of Structural Steel Buildings - Allowable Stress Design and Plastic Design".
- All connections are to be detailed as Type 2 "simple frame connections".
- All W Shapes shall be ASTM A992.
- All Tube Shapes shall be ASTM A500, Grade B.
- All Pipe Shapes shall be ASTM A53, Types E or S, Grade 50.
- All other shall be ASTM A36, unless noted.
- Shop and field connections shall be welded with E-70XX electrodes or bolted with 3/4" dia. A-325N or A-325F bolts, unless noted.
- Use 3/4" cap and bearing plates, unless noted.
- Use 3/4" dia x 1'-0" long anchor bolts, unless noted.

WOOD (STRUCTURAL)

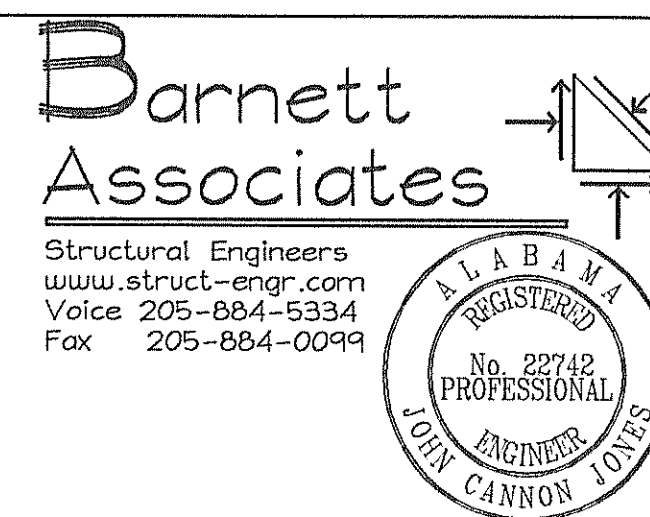
- All floor framing shall be #2KD SYP or approved equal.
- Provide minimum of 2"x 6" top and bottom chord for all truss members.
- Furnish design calculations sealed by a Professional Engineer licensed in the State of Alabama for all truss members.
- All framing noted as "LVL" shall have the following minimum properties:
 - Modulus of Elasticity "E" = 2,000,000 psi
 - Allowable Bending Stress "Fb" = 3,100 psi
 - Allowable Shear Stress "Fv" = 290 psi
- All headers shall be (3) 2x8's for exterior walls and (2) 2x8's for interior walls.
- Provide 4 studs at all beam and girder truss bearing locations.
- Floor and roof sheathing shall be nailed with 8d nails at 6" o.c.

METAL STUDS (STRUCTURAL)

- All detailing, fabricating, and erection of light gauge steel shall be in accordance with the 1996 AISI "Cold Formed Steel Design Manual".
- All studs, joist, tracks, bridging, and accessories shall be a minimum of G60 galvanized and have a minimum yield strength of 33ksi, unless noted otherwise.
- Provide double studs at all wall intersections, jamps, corners, and intersections.ncr
- Provide 4 studs at all beam and girder truss bearing locations.
- Provide (2) 8"x14ga headers at all openings, unless noted otherwise.
- Provide blocking or bridging at a maximum of 4'-0", unless noted otherwise.

TESTING

- All testing is to be completed under the supervision of the structural engineer.
- Contractor shall provide the following allowances for testing.
 - Concrete testing \$750.00.
 - Structural Steel testing \$500.00.
 - Timber truss testing \$500.00.



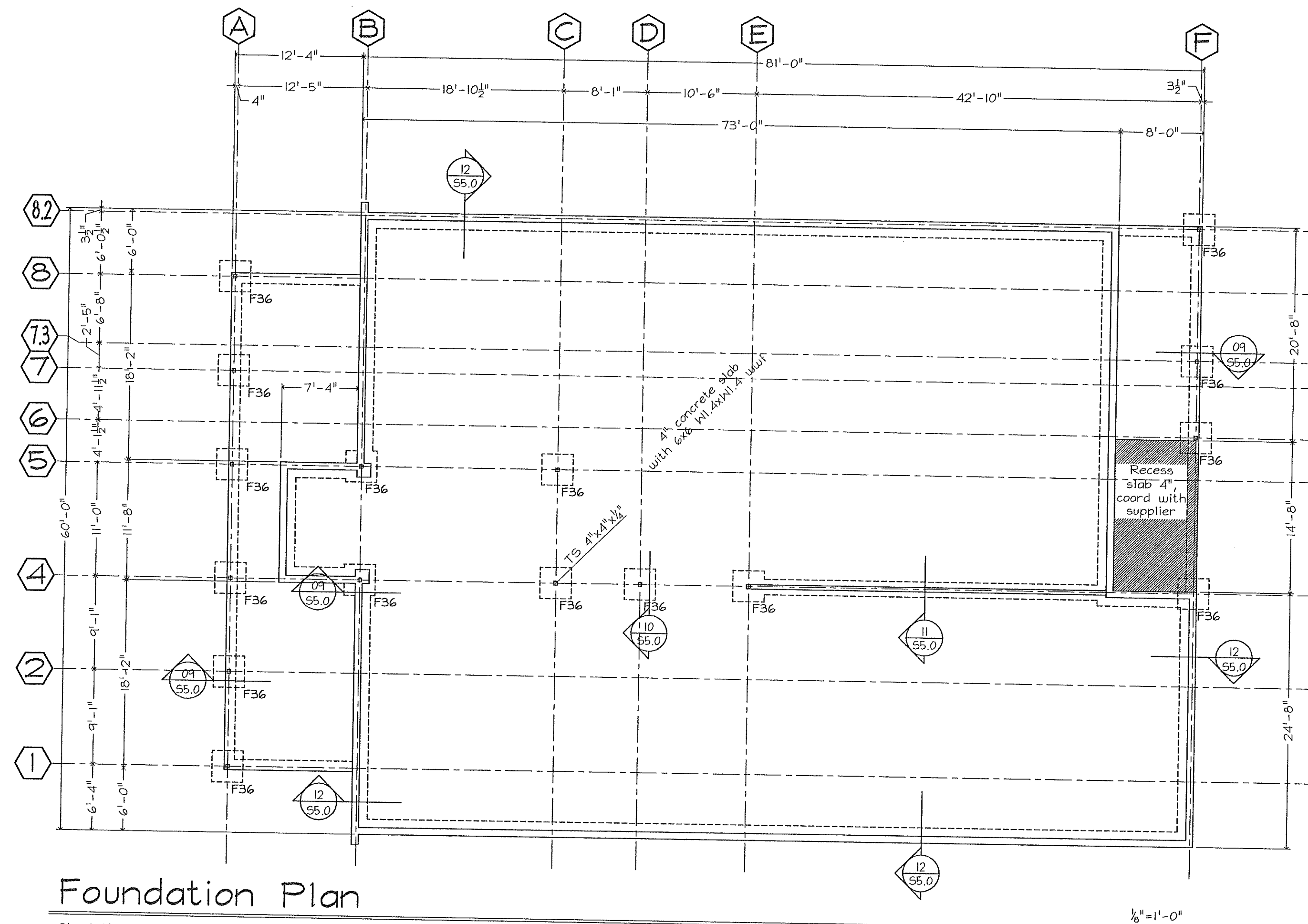
MARK C. LINDSAY, III
ARCHITECT
2907 CRESCENT AV.
HOMEWOOD, ALABAMA
ZIP 35209
(205) 879-0045

A Restaurant for
Golden Rule Barbeque
Bessemer, AL

DATE: 12/4/02

SHEET NO.

50.0



Foundation Plan

- Sheet Notes:
1. See Sheet No S0.0 for typical details and general notes.
 2. Reference all elevations to finish floor elevation (+) 0'-0".
 3. Top of all exterior footings elevation (-) 2'-0" unless noted.
 4. Top of all interior footings elevation (-) 0'-8" unless noted.
 5. # indicates footing steps.

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DATE: 12/4/02

SHEET NO.

S1.0

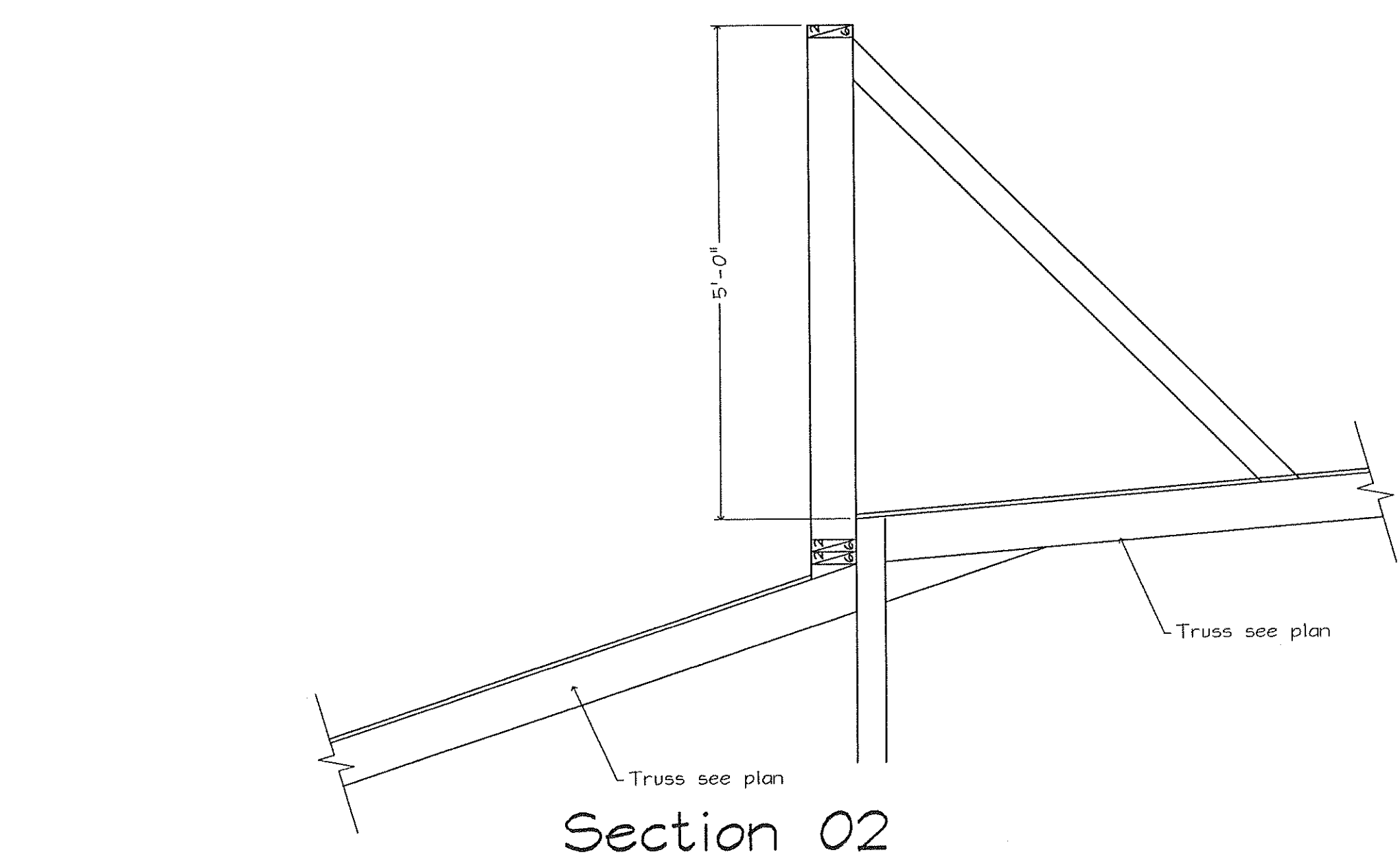
A Restaurant for
Golden Rule Barbeque
Bessemer, AL

SHEET NO.

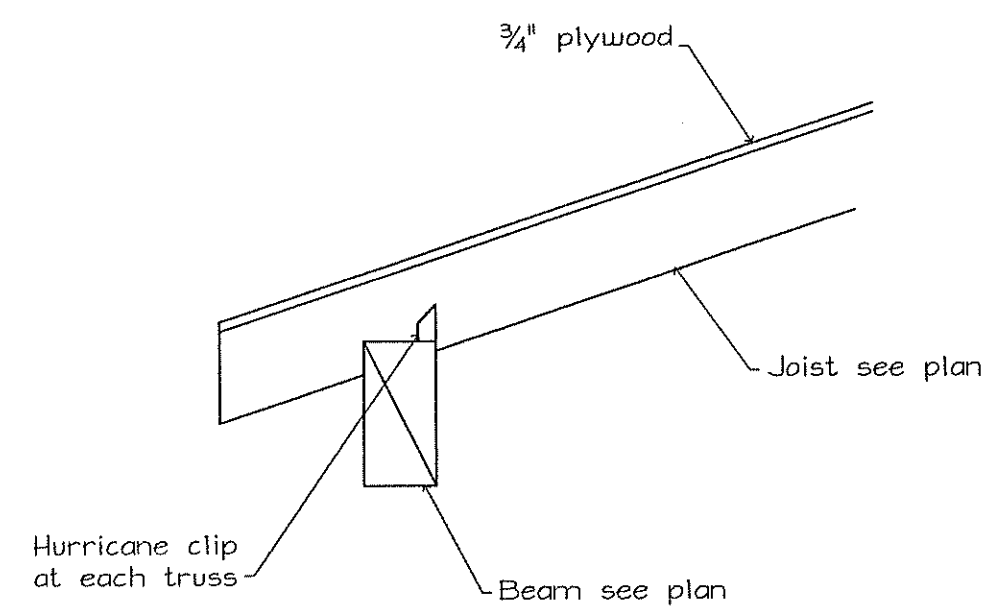
Roof Framing Plan

Sheet Notes:

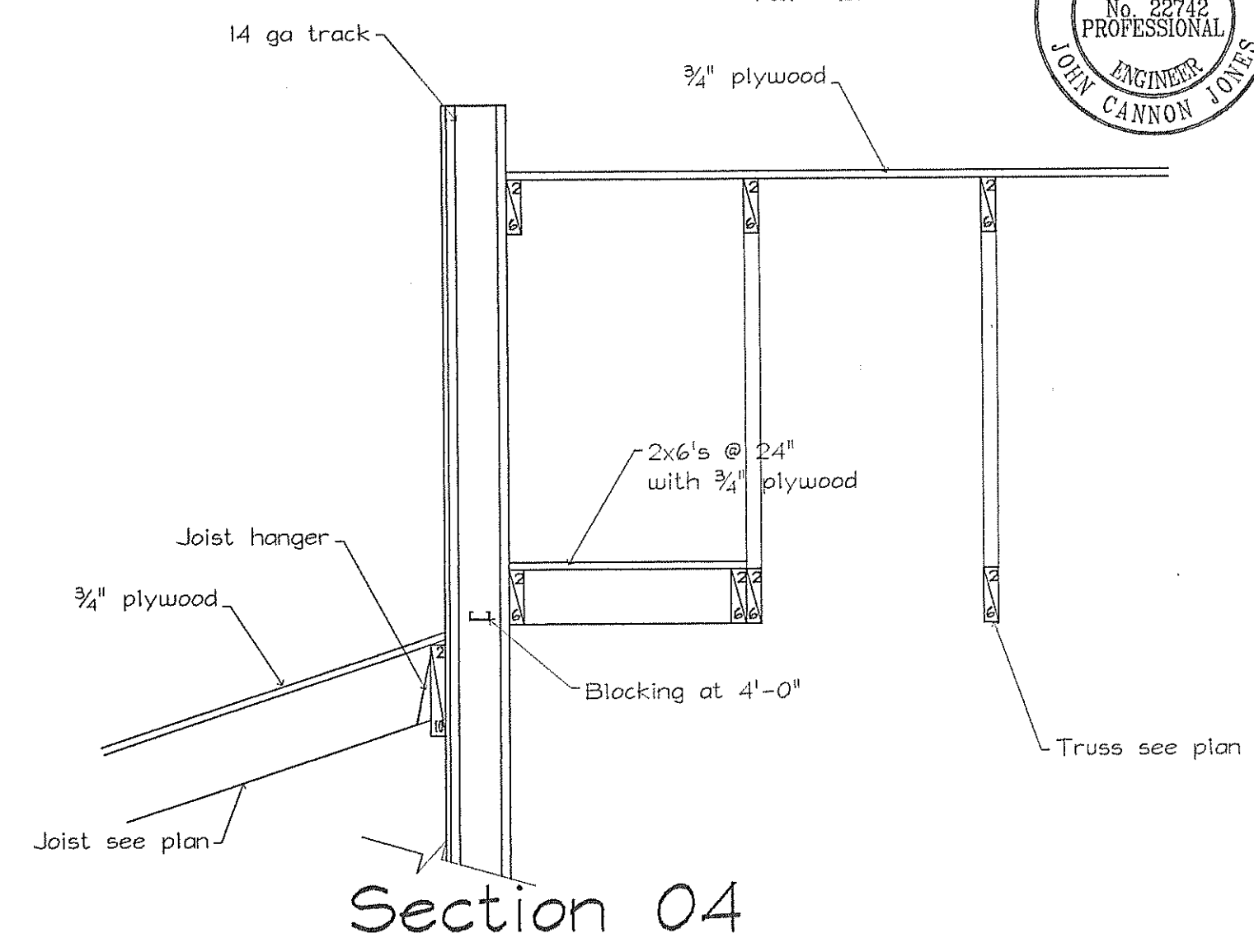
1. See Sheet No 50.0 for typical details and general notes.
2. Reference all elevations to finish floor elevation (+) 0'-0"
3. Top of plate elevation (+) xx'-xx".
4. Roof construction $\frac{3}{4}$ " plywood.



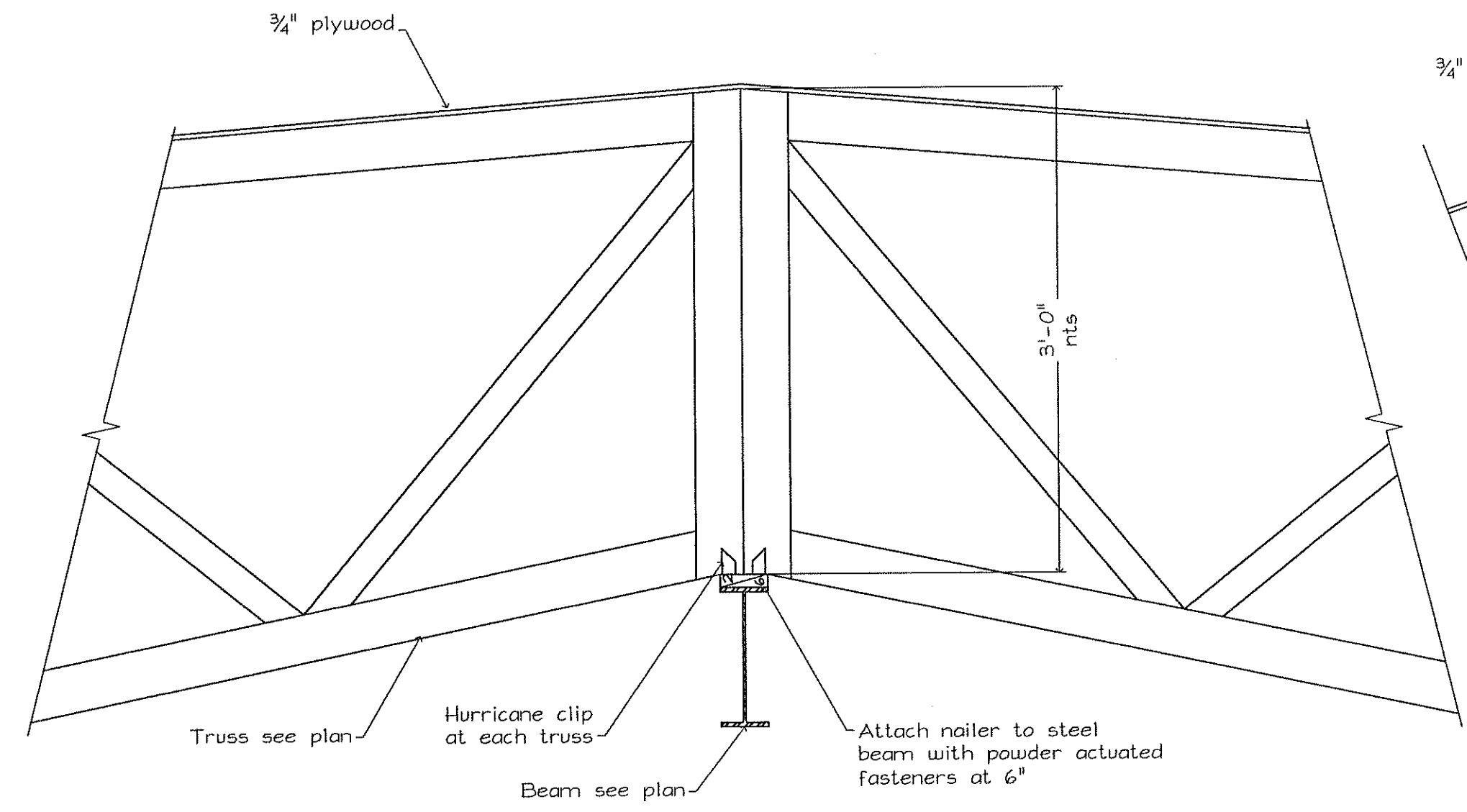
Section 02



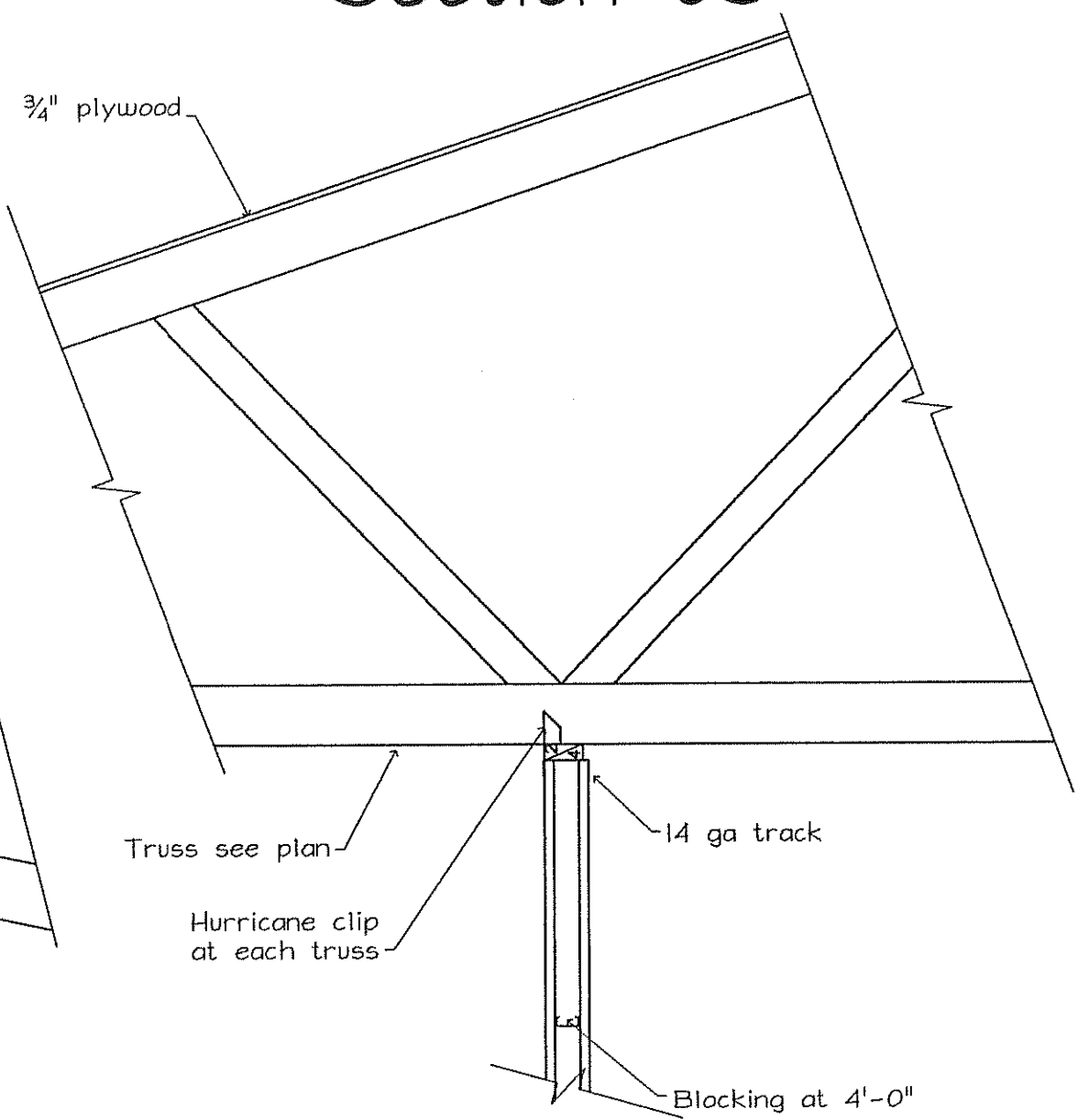
Section 03



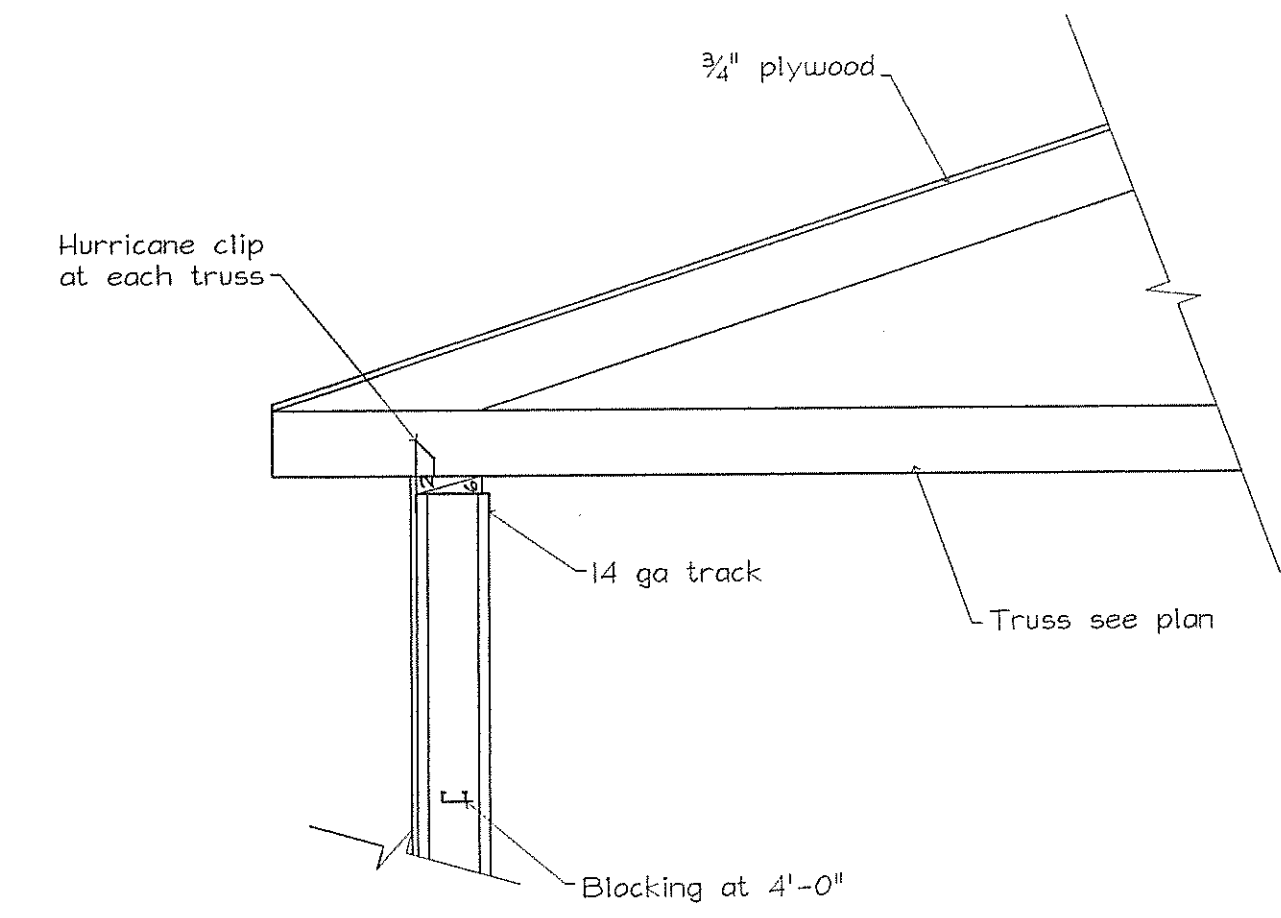
Section 04



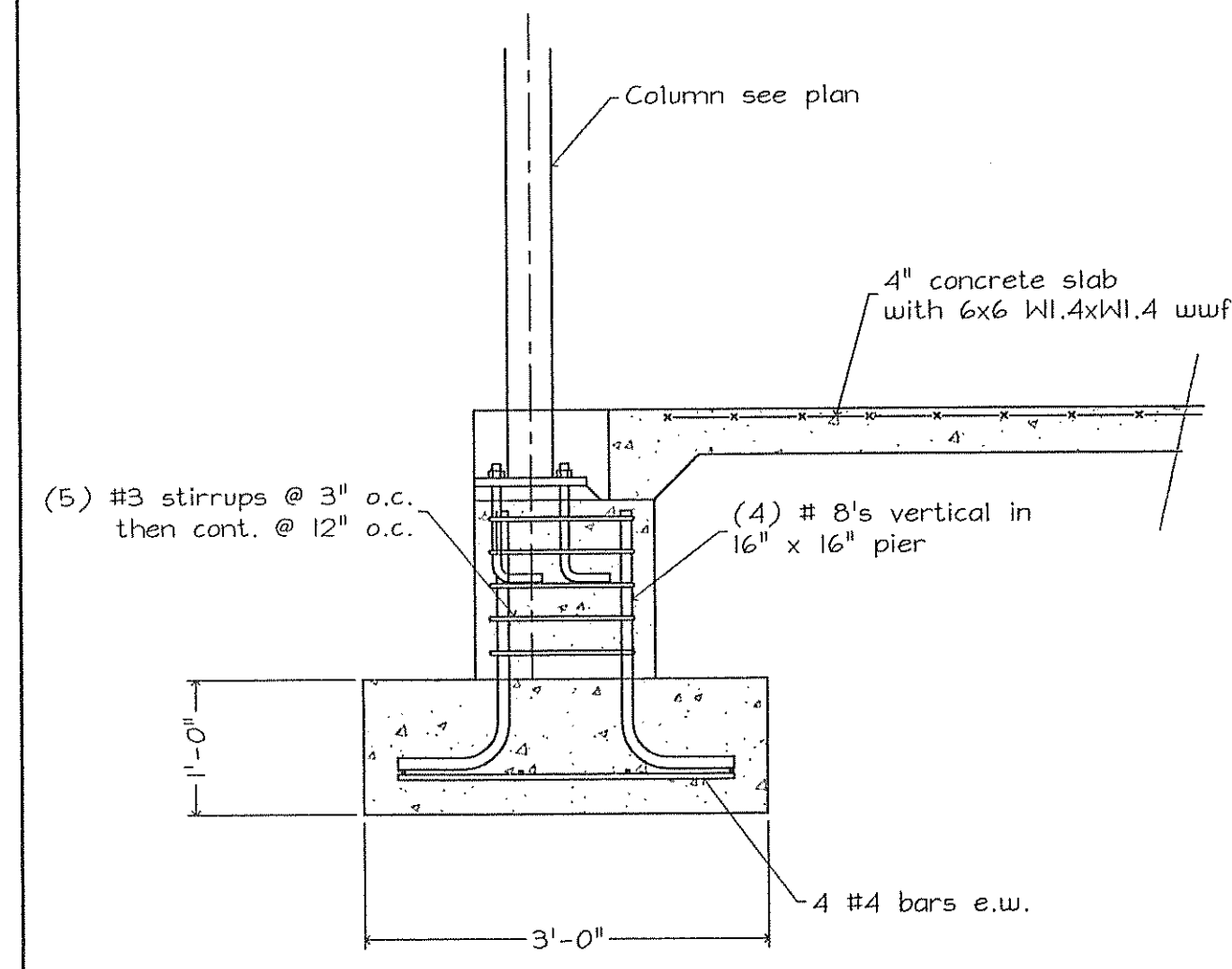
Section 06



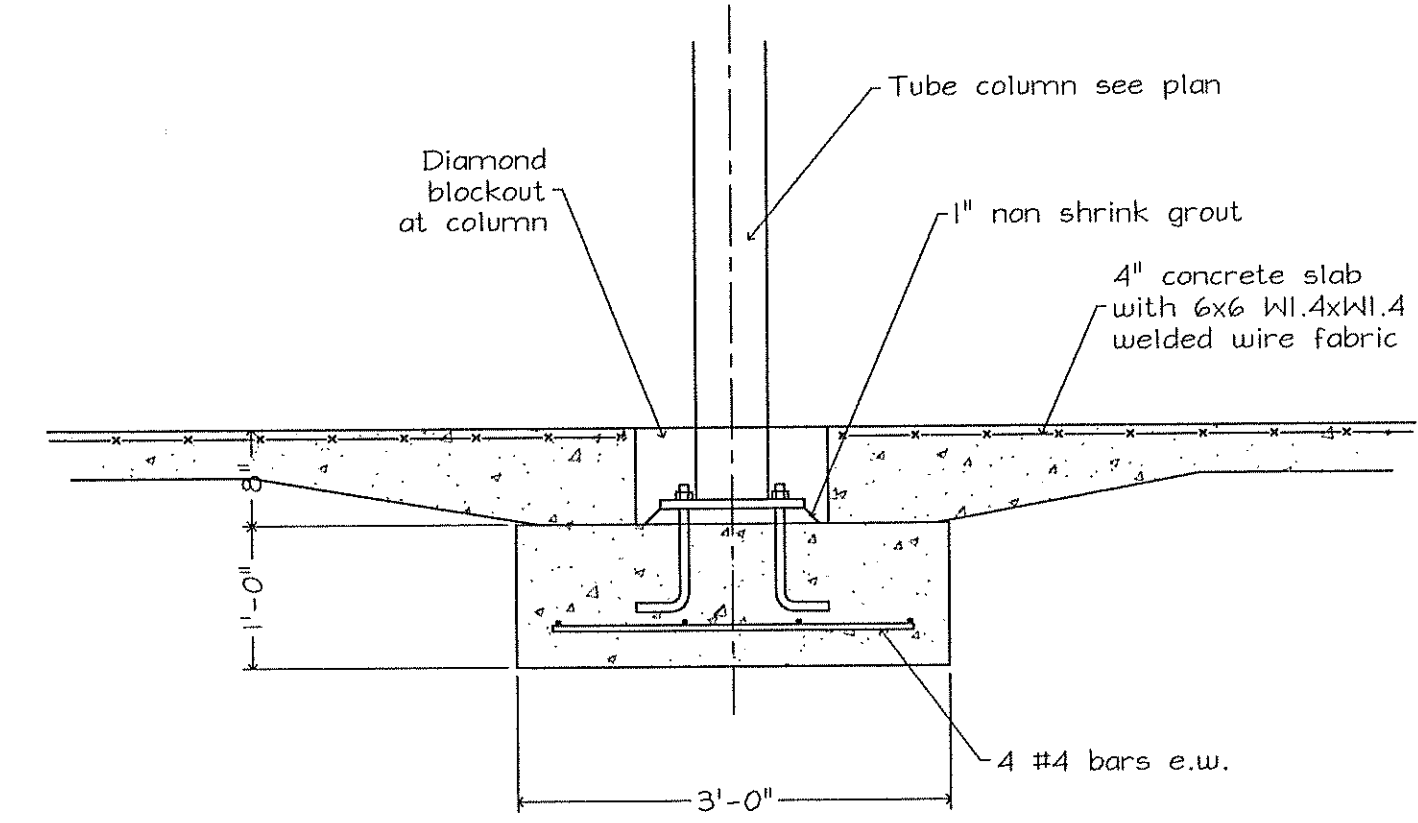
Section 07



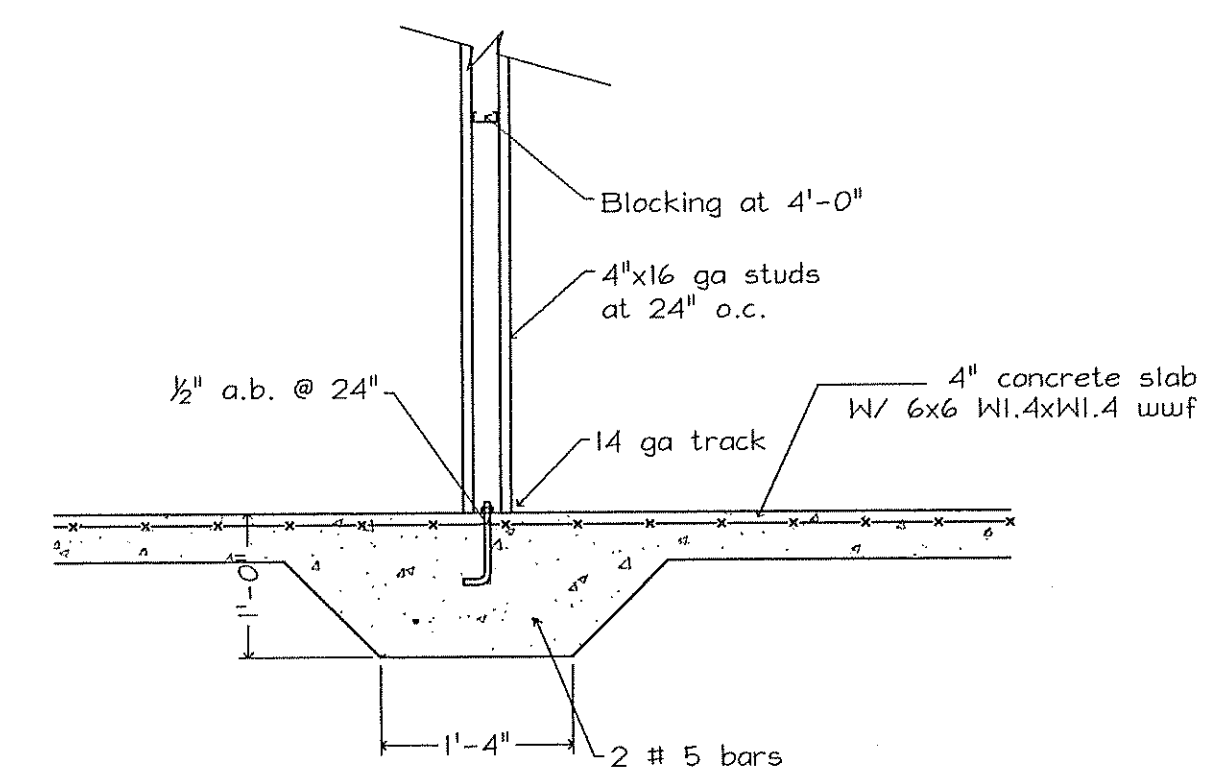
Section 08



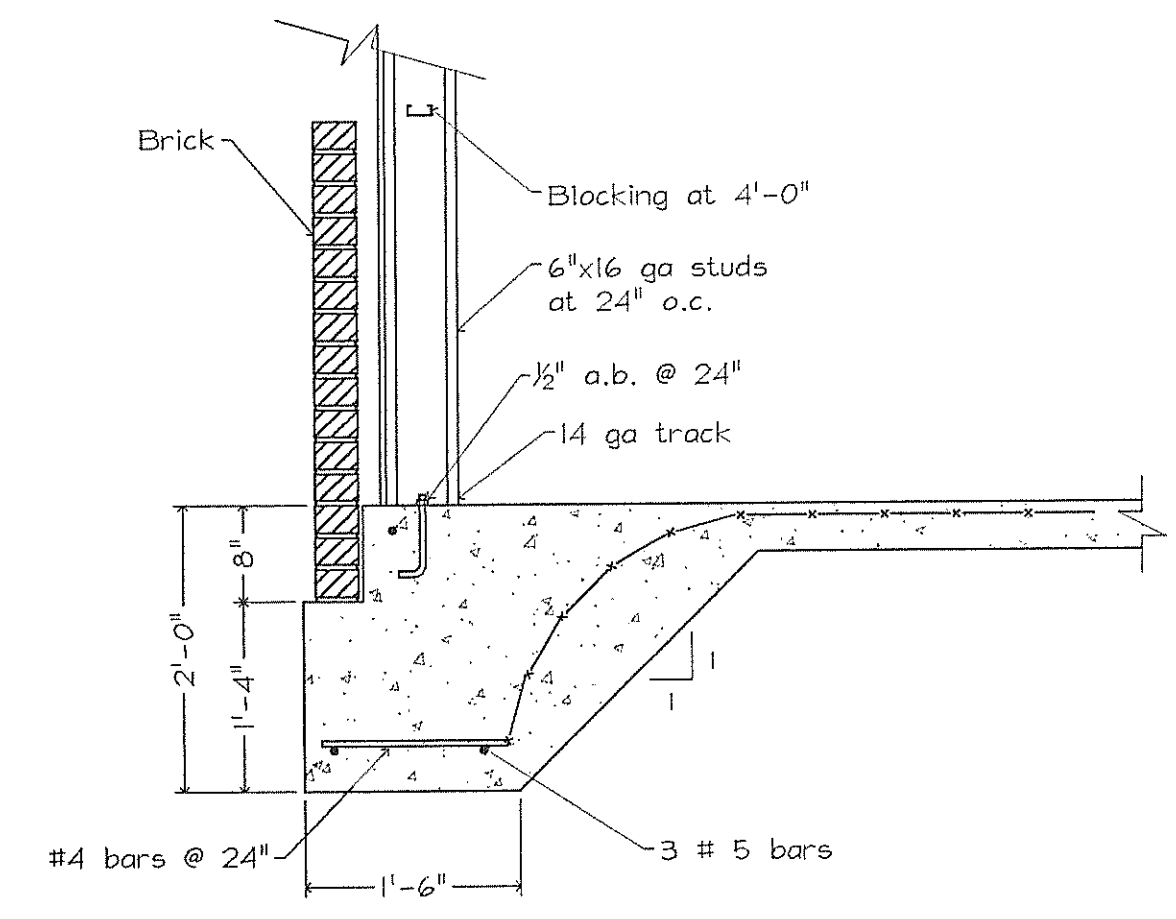
Section 09



Section 10



Section 11



Section 12

MARK C. LINDSAY, III
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A Restaurant for
 Golden Rule Barbeque
 Bessemer, AL

DATE: 12/4/02

SHEET NO.
 S5.0